

CORNELL UNIVERSITY ANNOUNCEMENTS

Medicine

1956 – 1957

ANNOUNCEMENT OF THE MEDICAL COLLEGE

CORNELL UNIVERSITY ANNOUNCEMENTS

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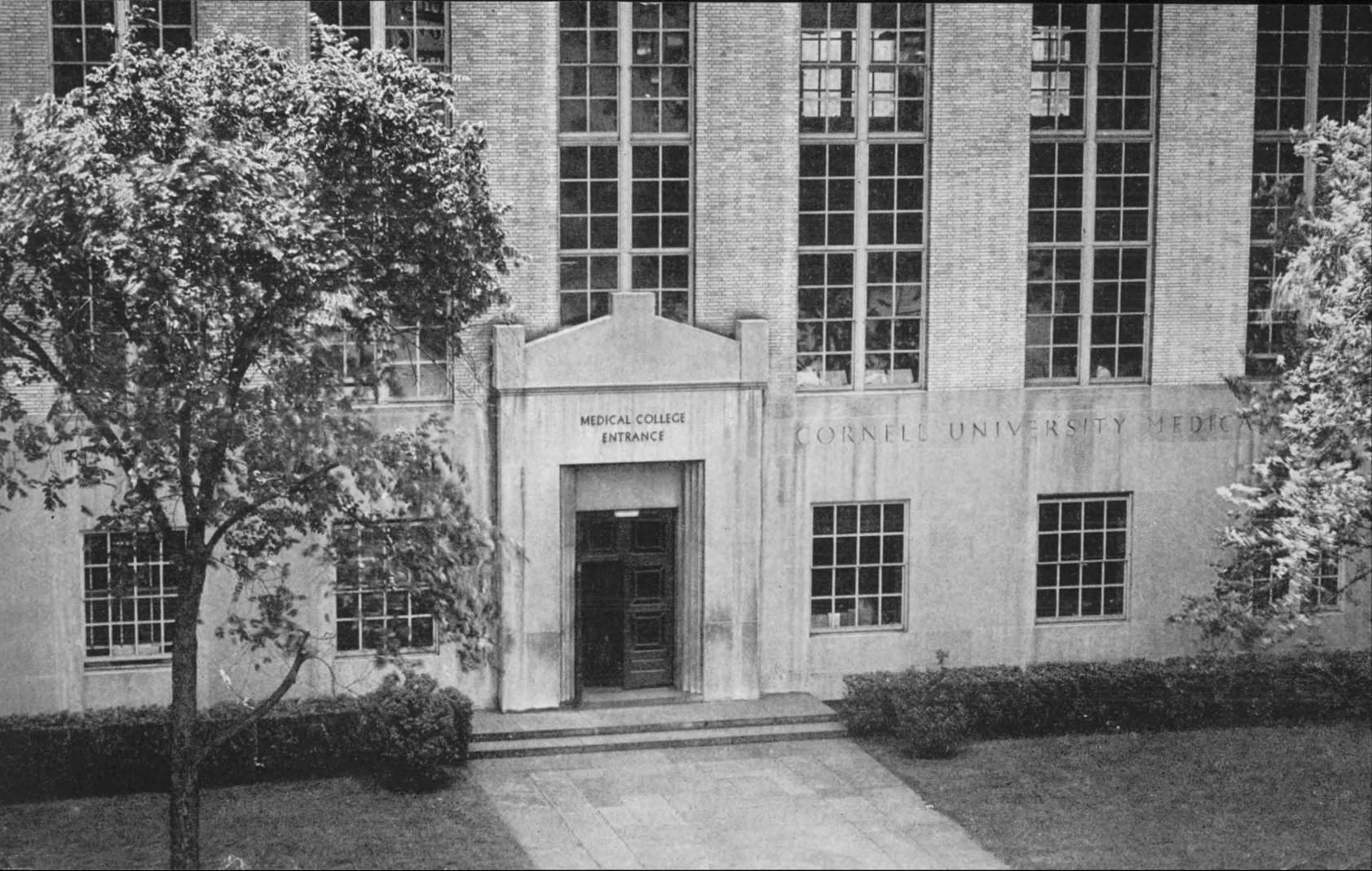
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MEDICAL COLLEGE
ENTRANCE

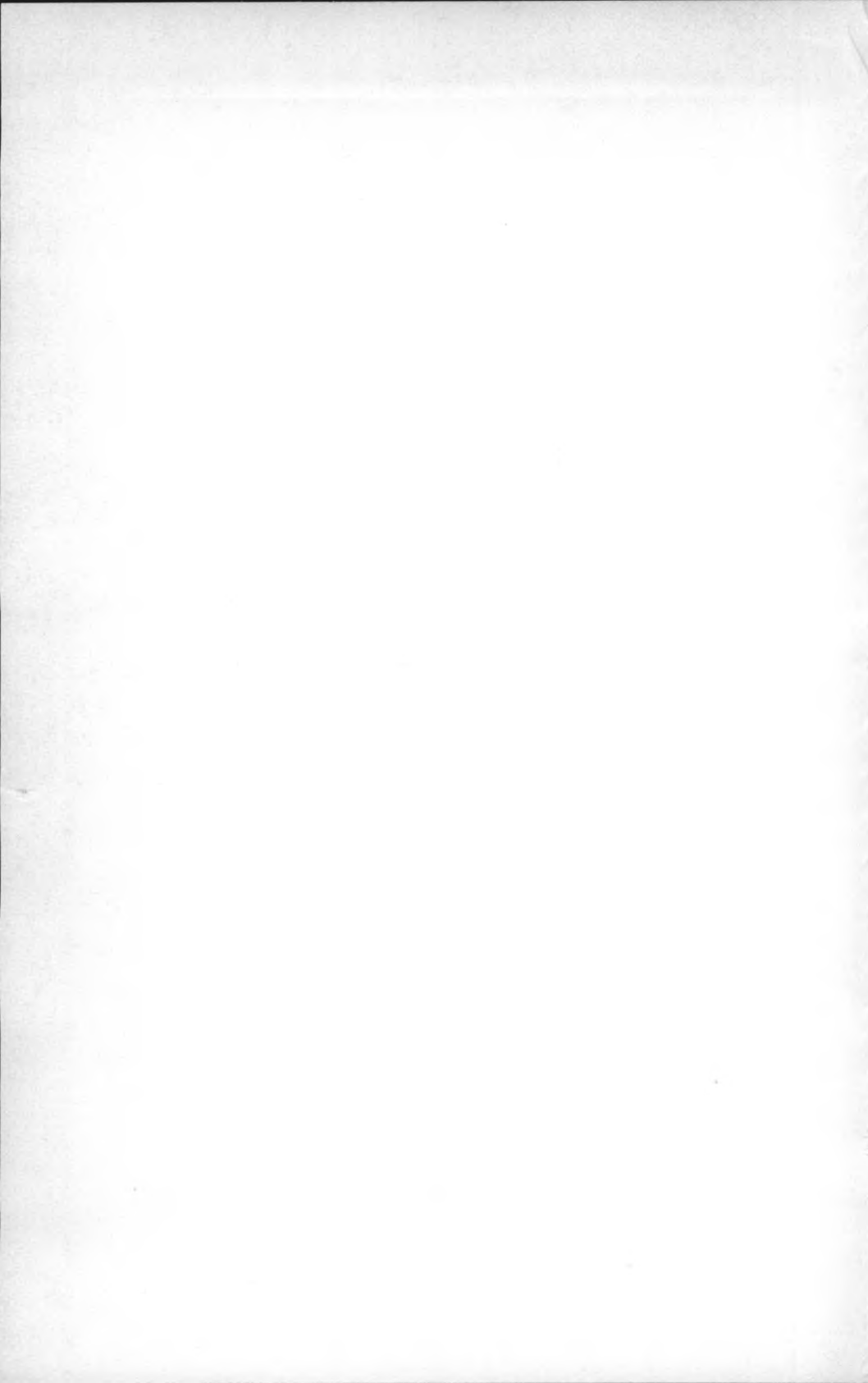
CORNELL UNIVERSITY MEDICAL

CORNELL UNIVERSITY
MEDICAL COLLEGE

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CORNELL UNIVERSITY ANNOUNCEMENTS

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1956	1957	
JULY	JANUARY	JULY
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	— — 1 2 3 4 5	— 1 2 3 4 5 6
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30 31 — — — — —	30 — — — — —	— — — — — — —

CALENDAR

1956

- June 18 Registration and beginning of instruction for fourth year students, first division.
- July 4 Independence Day—holiday.
- August 10 Second division begins for fourth year students.
- Sept. 3 Labor Day—holiday.
- Sept. 10-11 Examinations for conditioned students.
- Sept. 10-12 Registration for first, second, and third year classes.
- Sept. 12 Opening exercises, 3:30 p.m.
- Sept. 13 Instruction begins for first, second, and third year students.
- Oct. 3 Third division begins for fourth year students.
- Oct. 12 Columbus Day—holiday.
- Nov. 6 Election Day—holiday.
- Nov. 22 Thanksgiving Day—holiday.
- Nov. 28 Fourth division begins for fourth year students.
- Nov. 29-
Dec. 1 Examinations for second year students.
- Dec. 1 Fall term ends, 1 p.m.
- Dec. 3 Winter term begins, 9 a.m.
- Dec. 21 Christmas recess begins, 5 p.m.
- Dec. 25 Christmas Day—holiday.

1957

- Jan. 1 New Year's Day—holiday.
- Jan. 7 Christmas recess ends, 9 a.m.
- Feb. 4 Fifth division begins for fourth year students.
- Feb. 22 Washington's Birthday—holiday.
- March 4-5 Examinations for first year students.
- March 5 Winter term ends, 5 p.m.
- March 6-14 Spring recess.
- March 15 Spring term begins, 9 a.m.
- April 8 Sixth division begins for fourth year students.
- May 29 Instruction ends, 5 p.m.
- May 30 Memorial Day—holiday.
- May 31-
June 6 Final examinations.
- June 12 Commencement, 3 p.m.

THE NEW YORK HOSPITAL—CORNELL MEDICAL CENTER

THE CENTER was formed by an agreement between the Society of the New York Hospital and Cornell University in order to associate organically the hospital and the medical college and to effect a complete coordination of the medical, educational, and scientific activities of the two institutions.

The Center is operated under the supervision of a Joint Administrative Board, composed of three governors of the Society of the New York Hospital, three representatives of the Board of Trustees of Cornell University, and one other member elected by the appointed members. The Director of the New York Hospital—Cornell Medical Center is the chief executive officer of the Joint Administrative Board, composed of the following:

JOSEPH C. HINSEY, *Director*,
The New York Hospital—Cornell Medical Center

DEANE W. MALOTT, *Chairman*

ARTHUR H. DEAN

STANTON GRIFFIS

HAMILTON HADLEY

HENRY S. STURGIS

JOHN HAY WHITNEY

FREDERIC W. ECKER

FORM FOR BEQUESTS

The Society of the New York Hospital is associated with the Cornell University Medical College, which is one of the colleges of Cornell University, under the title of "The New York Hospital—Cornell Medical Center."

Gifts or bequests should be made either to the Hospital or to the University, but not to the above-named Association.

If for the Hospital, the language may be: "I give and bequeath to the Society of the New York Hospital, the sum of \$....."

If for the College, the language may be: "I give and bequeath to Cornell University the sum of \$..... for use in connection with its Medical College in New York City." If it is desired that a gift shall be used in whole or in part for any specific purpose in connection with the College, such use may be specified.

THE COLLEGE COUNCIL

For the purpose of discharging its duties to the Memorial Hospital under the Douglas Deeds of Trust, the Board of Trustees is constituted as the Council of the Cornell University Medical College in New York City.

THE COLLEGE ADVISORY COMMITTEE

There is also established a Medical College Advisory Committee, which shall consist of eleven members: the President of the University, who shall be Chairman; the Director of the New York Hospital-Cornell Medical Center; four trustees to be elected by the Board of Trustees, one of whom shall be elected each year for the term of four years; the Dean of the Medical College; two members of the Faculty of the Medical College, to be elected by such Faculty, one each year for the term of two years; two alumni of the Medical College, one to be appointed by the Medical College Alumni Association and the other by the Board of Trustees, each for a term of one year.

The Committee at present consists of the following members:

DEANE W. MALOTT, President of the University, *Chairman*, ex officio
 E. HUGH LUCKEY, Dean of the Medical College, ex officio
 JOSEPH C. HINSEY, *Director*, The New York Hospital-Cornell Medical Center, ex officio

STANTON GRIFFIS	}	of the Board
WILLIAM B. CORNELL		of Trustees
VICTOR EMANUEL		
OSKAR DIETHELM	}	of the Faculty
VINCENT DU VIGNEAUD		
JOHN A. EVANS	}	of the Alumni
JOSEPH F. ARTUSIO, JR.		
EDWARD K. TAYLOR, <i>Secretary</i>		

OFFICERS OF ADMINISTRATION

DEANE W. MALOTT, *President of the University*

E. HUGH LUCKEY, *Dean of the Medical College*

LAWRENCE W. HANLON, *Associate Dean*

DAYTON J. EDWARDS, *Secretary of the Faculty*

EDWARD K. TAYLOR, *Assistant Treasurer and Business Manager*

BEATRICE BERLE, *Counselor to Foreign Students*

ANNA F. BURKE, *Librarian*

EXECUTIVE FACULTY

DEANE W. MALOTT

DAVID P. BARR

OSKAR DIETHELM

R. GORDON DOUGLAS

VINCENT DU VIGNEAUD

DON W. FAWCETT

FRANK GLENN

LAWRENCE W. HANLON

JOSEPH C. HINSEY

JOHN G. KIDD

SAMUEL Z. LEVINE

E. HUGH LUCKEY

WALSH McDERMOTT

JAMES M. NEILL

ROBERT F. PITTS

WALTER F. RIKER, JR.

STANDING COMMITTEES*

ADMISSIONS

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Dayton J. Edwards
James R. McCarroll

Alphonse E. Timpanelli
Preston A. Wade

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John M. Beal
Eric T. Carlson
John A. Evans
Don W. Fawcett

Donald G. Johnson
Aaron Kellner
Edwin D. Kilbourne
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George G. Reader
Walter F. Riker, Jr.
John Y. Sugg

Lawrence W. Hanlon, *ex officio*

Joseph C. Hinsey, *ex officio*

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McKeen Cattell
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John MacLeod
Julian R. Rachele

Anna F. Burke

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John MacLeod, *Chairman*

Thomas P. Almy

Walter F. Riker, Jr.

Robert F. Watson

PROMOTION AND GRADUATION

E. Hugh Luckey, *Chairman*

Heads of departments, or their representatives, responsible for the more important courses of each year.

SCHOLARSHIPS

Paul Reznikoff, *Chairman*

Dayton J. Edwards
John T. Ellis

John M. McLean
S. W. Moore

*The Dean is *ex officio* a member of all committees.

FACULTY*

DEANE W. MALOTT, *President of the University.* (A.B., M.B.A., LL.D.)

EMERITUS PROFESSORS

RUSSELL L. CECIL, M.D. [1910; 1950]	<i>Professor of Clinical Medicine</i>
EUGENE F. DuBOIS, M.D. [1910; 1950]	<i>Professor of Physiology</i>
DAYTON J. EDWARDS, Ph.D. [1918; 1950]	<i>Professor of Physiology</i>
CARY EGGLESTON, M.D. [1911; 1953]	<i>Professor of Clinical Medicine</i>
N. CHANDLER FOOT, M.D. [1932; 1948]	<i>Professor of Surgical Pathology</i>
BYRON H. GOFF, M.D. [1934; 1955]	<i>Professor of Clinical Obstetrics and Gynecology</i>
MALCOLM GOODRIDGE, M.D. [1910; 1946]	<i>Professor of Clinical Medicine</i>
CONNIE M. GUION, M.D. [1924; 1951]	<i>Professor of Clinical Medicine</i>
JAMES A. HARRAR, M.D. [1932; 1948]	<i>Professor of Clinical Obstetrics and Gynecology</i>
ELISE STRANG L'ESPERANCE, M.D. [1910; 1950]	<i>Professor of Clinical Public Health and Preventive Medicine</i>
CHARLES V. MORRILL, Ph.D. [1915; 1953]	<i>Professor of Anatomy</i>
EUGENE L. OPIE, M.D. [1932; 1941]	<i>Professor of Pathology</i>
GEORGE PAPANICOLAOU, M.D. [1914; 1951]	<i>Professor of Clinical Anatomy</i>
BERNARD R. SAMUELS, M.D. [1914; 1952]	<i>Professor of Clinical Surgery (Ophthalmology)</i>
WILSON G. SMILLIE, M.D. [1937; 1955]	<i>Professor of Public Health and Preventive Medicine</i>
ALEXANDER R. STEVENS, M.D. [1924; 1946]	<i>Professor of Clinical Surgery (Urology)</i>
PHILIP M. STIMSON, M.D. [1919; 1956]	<i>Professor of Clinical Pediatrics</i>
JOSHUA E. SWEET, M.D. [1926; 1941]	<i>Professor of Experimental Surgery</i>
PHILIP D. WILSON, M.D. [1951; 1955]	<i>Professor of Clinical Surgery (Orthopedics)</i>

PROFESSORS

- DAVID P. BARR, *Professor of Medicine.* Physician-in-Chief, New York Hospital; Consulting Physician, Bellevue Hospital. (A.B. 1911, M.D. 1914, Cornell; LL.D. 1929, Central College; Sc.D. 1946, Washington University. [1916; 1941])
- ALEXANDER BRUNSCHWIG, *Professor of Clinical Surgery.* Attending Surgeon, Memorial Hospital. (B.A. 1923, M.S. 1924, University of Chicago; M.D. 1926, Rush. [1947])
- JOSEPH H. BURCHENAL, *Professor of Medicine.* Attending Physician, Memorial Hospital. (M.D. 1937, University of Pennsylvania. [1949; 1952])
- McKEEN CATTELL, *Professor of Pharmacology.* (B.S. 1914, Columbia; A.M. 1917, Ph.D. 1920, M.D. 1924, Harvard. [1924; 1943])

*The figures in brackets following the name of each faculty member indicate the date of original appointment and the year of induction into present rank.

- HERBERT CONWAY, *Professor of Clinical Surgery (Plastic Surgery)*. Attending Surgeon in Charge of Plastic Surgery, New York Hospital; Visiting Surgeon, Bellevue Hospital. (M.B. 1928, B.S. 1929, M.D. 1929, M.S. 1932, University of Cincinnati. [1932; 1955])
- LLOYD F. CRAVER, *Professor of Clinical Medicine*. Co-Chief, Department of Medicine, Attending Physician, Memorial Hospital. (A.B. 1915, M.D. 1918, Cornell. [1934; 1952])
- OSKAR DIETHELM, *Professor of Psychiatry*. Psychiatrist-in-Chief, New York Hospital. (Statexamen 1922, U. of Zurich; M.D. 1923, U. of Berne. [1936])
- R. GORDON DOUGLAS, *Professor of Obstetrics and Gynecology*. Obstetrician-and-Gynecologist-in-Chief, New York Hospital. (M.D.C.M. 1924, McGill. [1932; 1949])
- GUILFORD S. DUDLEY, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital; Consultant in Surgery, Second Surgical Division, Bellevue Hospital (A.B. 1910, M.D. 1913, Cornell. [1917; 1949])
- VINCENT DU VIGNEAUD, *Professor of Biochemistry*. (B.S. 1923, M.S. 1924, Illinois; Ph.D. 1927, Rochester. [1938])
- JOHN A. EVANS, *Professor of Radiology*. Radiologist-in-Chief, New York Hospital. (B.S. 1931, New York University; M.D. 1935, Cornell. [1937; 1953])
- DON W. FAWCETT, *Professor of Anatomy*. (A.B. 1938, M.D. 1942, Harvard. [1955])
- CLAUDE E. FORKNER, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1922, M.A. 1923, University of California; M.D. 1926, Harvard. [1938; 1953])
- FRANK GLENN, *Lewis Atterbury Stimson Professor of Surgery*. Surgeon-in-Chief, New York Hospital. (M.D. 1927, Washington University. [1932; 1947])
- HARRY GOLD, *Professor of Clinical Pharmacology*. (A.B. 1919, M.D. 1922, Cornell. [1922; 1947])
- PHYLLIS GREENACRE, *Professor of Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (B.S. 1913, U. of Chicago; M.D. 1916, Rush. [1932; 1933])
- LOUIS HAUSMAN, *Professor of Clinical Medicine (Neurology)*. Associate Attending Physician (Neurology), New York Hospital; Visiting Neurologist in Charge, Bellevue Hospital. (A.B. 1912, College of the City of New York; M.D. 1916, Cornell. [1923; 1945])
- JOSEPH C. HINSEY, *Professor of Neuroanatomy*. Director, New York Hospital-Cornell Medical Center. (B.S. 1922, M.S. 1923, Northwestern; Ph.D. 1927, Washington University; Sc.D. 1951, Northwestern. [1936; 1956])
- JOHN G. KIDD, *Professor of Pathology*. Pathologist-in-Chief, New York Hospital. (A.B. 1928, Duke; M.D. 1932, Johns Hopkins. [1944])
- SAMUEL Z. LEVINE, *Professor of Pediatrics*. Pediatrician-in-Chief, New York Hospital. (A.B. 1916, College of the City of New York; M.D. 1920, Cornell. [1924; 1936])
- GEORGE M. LEWIS, *Professor of Clinical Medicine (Dermatology)*. Attending Physician (Dermatology), New York Hospital; Dermatologist, Memorial Hospital. (M.D. 1925, University of Alberta; L.M.C.C. 1925, Medical College of Canada. [1932; 1949])
- ASA L. LINCOLN, *Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (A.B. 1910, M.A. 1911, Elon College; M.D. 1916, Johns Hopkins. [1921; 1941])
- WILLIAM F. MACFEE, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (A.B. 1914, University of Tennessee; M.D. 1918, Johns Hopkins. [1936; 1952])
- WALSH McDERMOTT, *Livingston Farrand Professor of Public Health and Preventive Medicine*. Attending Physician, New York Hospital. (A.B. 1930, Princeton; M.D. 1934, Columbia. [1935; 1955])

- JOHN M. McLEAN, *Professor of Clinical Surgery (Ophthalmology)*. Attending Surgeon in Charge of Ophthalmology, New York Hospital. (M.E. 1930, Stevens Institute; M.D. 1934, Cornell. [1941; 1943])
- ADE T. MILHORAT, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1924, Columbia; M.D. 1928, Cornell. [1933; 1956])
- S. W. MOORE, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital; Assistant Visiting Surgeon, Bellevue Hospital. (B.S. 1926, Davidson; M.D. 1930, Harvard. [1932; 1956])
- JAMES M. NEILL, *Professor of Microbiology and Immunology*. (B.S. 1917, Allegheny; Ph.D. 1921, Massachusetts Agricultural College; D.Sc. 1940, Allegheny. [1931])
- MARVIN K. OPLER, *Visiting Professor of Anthropology (Social Psychiatry)*. (A.B. 1935, University of Michigan; Ph.D. 1938, Columbia University. [1952])
- JOHN M. PEARCE, *Professor of Pathology; Professor of Pathology in Surgery*. Attending Pathologist, Surgical Pathologist, New York Hospital. (Ph.B. 1930, Yale; M.D. 1934, Harvard. [1948])
- ROBERT F. PITTS, *Professor of Physiology*. (B.S. 1929, Butler University; Ph.D. 1932, Johns Hopkins; M.D. 1938, New York University. [1942; 1950])
- HENRY T. RANDALL, *Professor of Surgery*. Clinical Director and Chief of Surgical Services, Memorial Hospital. (A.B. 1937, Princeton; M.D. 1941, Med.Sc.D. 1950, Columbia. [1950; 1951])
- RULON W. RAWSON, *Professor of Medicine*. Co-Chief, Department of Medicine, Attending Physician, Memorial Hospital. (M.B. 1937, M.D. 1938, Northwestern. [1948; 1951])
- BRONSON S. RAY, *Professor of Clinical Surgery (Neurosurgery)*. Attending Surgeon in Charge of Neurosurgery, New York Hospital and Westchester Division; Neurosurgeon, Memorial Hospital. (B.S. 1924, Franklin; M.D. 1928, Northwestern. [1932; 1948])
- PAUL REZNIKOFF, *Professor of Clinical Medicine*. Attending Physician, New York Hospital; Consulting Physician, Bellevue Hospital. (B.S. 1916, New York University; M.D. 1920, Cornell. [1924; 1946])
- WALTER F. RIKER, JR., *Professor of Pharmacology*. (B.S. 1939, Columbia; M.D. 1943, Cornell. [1941; 1956])
- CARL H. SMITH, *Professor of Clinical Pediatrics*. Attending Pediatrician, New York Hospital. (B.A. 1915, College of the City of New York; M.A. 1917, Columbia; M.D. 1922, Cornell. [1928; 1954])
- LEO SROLE, *Visiting Professor of Sociology (Social Psychiatry)*. (B.S. 1933, Harvard; Ph.D. 1940, University of Chicago. [1952])
- LEWIS D. STEVENSON, *Professor of Clinical Medicine (Neurology); Associate Professor of Pathology*. Consulting Pathologist, New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division; Associate Visiting Neuropsychiatrist, Bellevue Hospital. (A.B. 1916, M.D. 1916, Queen's University. [1922; 1945])
- HAROLD L. TEMPLE, *Professor of Clinical Radiology*. Attending Radiologist, New York Hospital. (B.S. 1932, M.D. 1935, University of Nebraska. [1941; 1946])
- T. CAMPBELL THOMPSON, *Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon-in-Charge (Orthopedics), New York Hospital; Surgeon-in-Chief (Orthopedics) and Director, Hospital for Special Surgery. (A.B. 1924, Rollins; M.D. 1928, Johns Hopkins; M.Sc.D. 1936, Columbia. [1951; 1955])
- PRESTON A. WADE, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (A.B. 1922, M.D. 1925, Cornell. [1927; 1953])
- MAY G. WILSON, *Professor of Clinical Pediatrics*. Consulting Pediatrician, New York Hospital. (M.D. 1911, Cornell. [1918; 1952])
- HAROLD C. WOLFF, *Professor of Medicine (Neurology); Associate Professor of Psychiatry*. Attending Physician, Attending Psychiatrist, New York Hospital; Con-

sulting Neurologist, New York Hospital, Westchester Division; Visiting Physician, Bellevue Hospital. (B.S. 1918, College of the City of New York; M.D. 1923, M.A. 1928, Harvard. [1931; 1948])

IRVING S. WRIGHT, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1923, M.D. 1926, Cornell. [1946; 1949])

ASSOCIATE PROFESSORS

THOMAS P. ALMY, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Attending Physician, Memorial Hospital; Visiting Physician and Director, Second Medical Division, Bellevue Hospital. (A.B. 1935, M.D. 1939, Cornell. [1940; 1954])

ARTHUR F. ANDERSON, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1916, Tufts. [1930; 1948])

JOSEPH F. ARTUSIO, JR. *Associate Professor of Surgery (Anesthesiology); Associate Professor of Obstetrics and Gynecology (Anesthesiology)*. Attending Anesthesiologist-in-Charge, New York Hospital. (B.S. 1939, St. Peter's; M.D. 1943, Cornell. [1946; 1953])

HORACE S. BALDWIN, *Associate Professor of Clinical Medicine*, Associate Attending Physician, New York Hospital. (B.S. 1917, Wesleyan University; M.D. 1921, Cornell. [1923; 1947])

WILLIAM A. BARNES, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1933, College of the City of New York; M.D. 1937, Cornell. [1938; 1946])

LEONA BAUMGARTNER, *Associate Professor of Public Health and Preventive Medicine; Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1923, M.A. 1925, Kansas; Ph.D. 1932, M.D. 1934, Yale. [1935; 1956])

JOHN M. BEAL, *Associate Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (B.S. 1937, M.D. 1941, Chicago University. [1942; 1953])

ROY W. BONSNES, *Associate Professor of Biochemistry; Associate Professor of Biochemistry in Obstetrics and Gynecology*. (B.S. 1930, University of Connecticut; Ph.D. 1939, Yale. [1941; 1950])

HARRY W. BURNETT, *Associate Professor of Radiology*. Attending Radiologist, New York Hospital. (A.B. 1940, Miami University; M.D. 1943, Northwestern University. [1948; 1953])

ANTHONY C. CIPOLLARO, *Associate Professor of Clinical Medicine (Dermatology)*. Assistant Attending Physician, New York Hospital. (B.S. 1924, Dartmouth; M.D. 1927, Columbia. [1948; 1951])

EUGENE E. CLIFFTON, *Associate Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital; Assistant Attending Surgeon, Memorial Hospital; Assistant Visiting Surgeon, Bellevue Hospital. (B.S. 1933, Lafayette College; M.D. 1937, Yale Medical School. [1938; 1955])

BRADLEY L. COLEY, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1915, Yale; M.D. 1919, Columbia. [1941; 1950])

WILLIAM A. COOPER, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1928, Stanford University; M.D. 1932, Cornell. [1934; 1946])

FRANK E. CORMIA, *Associate Professor of Clinical Medicine (Dermatology)*. Associate Attending Physician, New York Hospital. (B.S. 1926, M.D. 1930, Univ. of Vermont. [1947; 1956])

NELSON W. CORNELL, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1918, M.D. 1921, Cornell. [1925; 1942])

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- ARTHUR M. SUTHERLAND, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Associate Attending Physician (Psychiatry), Memorial Hospital. (A.B. 1932, Yale; M.D. 1936, Columbia. [1937; 1951])
- JOHN E. SUTTON, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (A.B. 1915, A.M. 1917, M.D. 1920, Cornell. [1923; 1950])
- DOUGLAS P. TORRE, *Assistant Professor of Clinical Medicine (Dermatology)*. Assistant Attending Physician, New York Hospital; Assistant Dermatologist, Memorial Hospital. B.S. 1940, M.D. 1943, Tulane. [1950; 1956])
- CORNELIUS H. TRAEGER, *Assistant Professor of Clinical Medicine*. Attending Physician, Hospital for Special Surgery. (A.B. 1923, M.D. 1927, Columbia. [1955])
- JOHN H. TRAVIS, *Assistant Professor of Clinical Psychiatry*. (M.B. 1911, University of Toronto. [1941; 1945])
- KENNETH K. TSUBOI, *Assistant Professor of Biochemistry in Pediatrics*. (B.S. 1944, St. Thomas; M.S. 1946, Ph.D. 1948, Minnesota. [1955; 1956])
- FRANCIS P. TWINEM, *Assistant Professor of Clinical Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital. (A.B. 1917, Wooster College; M.A. 1919, Princeton; M.D. 1925, Harvard. [1950])
- PARKER VANAMEE, *Assistant Professor of Medicine*. (B.S. 1942, Yale; M.D. 1945, Cornell. [1955; 1956])
- JOHN M. WALKER, *Assistant Professor of Surgery*. Associate Attending Surgeon, Associate Clinical Director, Memorial Hospital. (Ph.D. 1931, Yale University; M.D. 1936, Columbia. [1936])
- WILLIAM L. WATSON, *Assistant Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1922, M.D. 1925, Cornell. [1940; 1950])
- WILLIS M. WEEDEN, *Assistant Professor of Clinical Public Health and Preventive Medicine*. Assistant Attending Surgeon, New York Hospital. (A.B. 1916, M.D. 1919, Cornell. [1922; 1950])
- CHARLES D. WEST, *Assistant Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Attending Physician, Memorial Hospital. (A.B. 1941, M.D. 1944, Ph.D. 1950, Utah. [1952; 1953])
- LOUIS E. WEYMULLER, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.Sc. 1923, M.D. 1925, University of Nebraska. [1936; 1949])
- MARJORIE A. WHEATLEY, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1919, Vassar; M.D. 1929, Columbia. [1931; 1945])
- STEPHEN WHITE, *Assistant Professor of Clinical Radiology*. Associate Attending

Radiologist, New York Hospital. (B.S. 1920, College of the City of New York; M.D. 1924, Cornell. [1931; 1944])

HAROLD N. WILLARD, *Assistant Professor of Public Health and Preventive Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1939, Yale; M.D. 1943, Johns Hopkins. [1951])

PHILIP D. WILSON, JR., *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Associate Attending Orthopedic Surgeon, Hospital for Special Surgery. (M.D. 1944, Columbia. [1951; 1955])

SAM C. WONG, *Assistant Professor of Public Health and Preventive Medicine*. (B.S. 1932, M.S. 1934, Ph.D. 1936, University of Washington. [1956])

FELIX WROBLEWSKI, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1942, M.D. 1945, New York University. [1954; 1956])

STANLEY S. ZIPSER, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1932, Columbia; M.D. 1936, Long Island College of Medicine. [1946; 1956])

GENERAL STATEMENT

HISTORY

CORNELL UNIVERSITY Medical College was established by the Board of Trustees of Cornell University on April 14, 1898, when they elected Dr. William M. Polk Director of the College and Dean of the Medical Faculty and appointed six professors. The Medical College was made possible by the munificence of Colonel Oliver H. Payne, who provided the funds for the erection of the original building, located at 28th Street and First Avenue, and who pledged his support to the new institution. For several years he provided funds for the annual support of the college and later placed the institution on a secure foundation by making generous provision for its permanent endowment by a gift of over four million dollars.

In October, 1898, instruction began in temporary quarters. As the Medical College admitted a number of students to advanced standing, Cornell University granted the degree of Doctor of Medicine for the first time in 1899.

The Cornell University Medical College from its foundation has undertaken to carry out two allied activities: the development of physicians of the best type and the extension of medical knowledge by means of research. The Medical Faculty has held from the beginning of its existence the attitude that these two functions are necessary as constituting a true university school. It is committed not only to conduct teaching of high order but also to study disease and the sciences underlying medicine with the purpose of adding to medical knowledge.

THE NEW YORK HOSPITAL-CORNELL MEDICAL CENTER

The Cornell University Medical College and the New York Hospital have been cooperating for a long time in an arrangement for medical teaching. In September, 1932, however, the two institutions took up occupancy in the same plant.

The New York Hospital was founded by Royal Charter on June 13, 1771, in the reign of King George III, and has stood throughout the life of the nation as one of the foremost hospitals in the United States, as an institution rendering service to the sick and injured, and as a center of medical education. For a number of years the Hospital and the Medical College had been partially affiliated. In June, 1927, an agree-

ment was entered into between Cornell University and The Society of the New York Hospital, formalizing their affiliation for the purpose of bringing together their facilities and cooperating in the care of patients, in medical education, and in medical research. In order to harmonize the interests of the Hospital and of the Medical College, the Joint Administrative Board was formed, consisting of three representatives of each institution and a seventh member elected by the Hospital and by the University. The position of Director of this organization, the New York Hospital-Cornell Medical Center, was approved in 1953.

Additional endowment was secured by each institution. A group of buildings was erected along the East River between 68th and 71st Streets, adjoining the Rockefeller Institute for Medical Research. The new plant affords separate buildings for each of the various laboratory departments and includes approximately 1,182 hospital beds. Provision is made for medicine, surgery, obstetrics and gynecology, pediatrics, and psychiatry in five distinct clinical units.

The Faculty of the Medical College and the professional staff of the Hospital are organized so as to form one body established on a university basis.

The new plant affords very favorable conditions for the conduct of medical education, for the pursuit of medical research, and for the care of patients in all phases of medical practice.

FACILITIES FOR INSTRUCTION

From the point of view of medical instruction, the facilities provided by the plant of the New York Hospital-Cornell Medical Center are in many respects unexcelled. The plant consists of twelve buildings, joined either directly or by underground passages. These provide ample accommodations for the care of hospital patients, for the teaching of the clinical branches, and for the various activities connected with the work of the preclinical departments of the medical college.

CORNELL MEDICAL COLLEGE. Instruction in the medical sciences is conducted in a group of buildings extending along York Avenue from 68th to 70th Streets, centering in a court at the end of 69th Street where the entrance to the Medical College is located. This group comprises four units facing on York Avenue, each of which is five stories high. The extreme northern and southern buildings connect with the central group by means of two-story structures. In this series of buildings the one to the north (unit A) is devoted entirely to the department of anatomy; the one next to this on the south (unit B) to microbiology and immunology; the third (unit D) to physiology; the fourth (unit E) to biochemistry and pharmacology. A seven-story building (unit C) joins the buildings B and D in the center, and in this are the offices of the Medical College, the library, and the department of pathology. This central building of the College is joined on all floors with the central

hospital building. Certain of the laboratories of the department of public health and preventive medicine are located in the two-story building which adjoins the bacteriology unit to the north, but the major part of this department is comprised in the Kips Bay-Yorkville Health Center building of the City of New York, located half a block west from the Medical College on 69th Street.

In the main buildings of the Medical College, student laboratories and lecture rooms are provided on the second and third floors, and extensive facilities for research by staff and students are available on other floors. Locker rooms are provided for the use of students. A cafeteria under the direction of the chief dietitian of the New York Hospital is maintained for students and Faculty.

NEW YORK HOSPITAL. Clinical instruction is given in the five separate clinics forming the New York Hospital. The medical and surgical clinics occupy the central hospital building, while the women's clinic, the pediatric clinic, and the psychiatric clinic extend from north to south, overlooking the East River. Each clinic contains, besides provision for bed patients, its own out-patient department, lecture rooms, and laboratories for routine study and for clinical research. Special provision has also been made for the laboratory work of students. The medical clinic occupies the second to fourth floors of the central hospital building, with six pavilions for bed patients, three floors for its outpatient department, and extensive laboratories for chemical, physiological, and biological research. The surgical clinic occupies the pavilions from the fifth to the ninth floor, with outpatient and other facilities for the various surgical specialists. The operating rooms are on the tenth and eleventh floors. Above are six floors containing one hundred rooms for private patients, while the living quarters for the resident staff are on the six floors at the top of the building. The entire hospital has a capacity of approximately 1199 beds.

The head of each clinic, responsible for the care of patients and the conduct of professional services of the hospital, is also professor in charge of the corresponding department of the Medical College. Each clinical department is staffed in part by teachers and clinicians, including the professor in charge, who devote their entire time to the service of the College and Hospital, while other members of these departments devote part of their time to private practice.

OTHER HOSPITALS FOR CLINICAL INSTRUCTION

Although the clinical teaching is conducted largely in the New York Hospital, advantage is also taken of special facilities afforded by other hospitals. In some of these hospitals the staff appointments are controlled by the Medical College, while in others the teaching privileges have been granted to the members of the staffs who are also members of the Medical College Faculty.

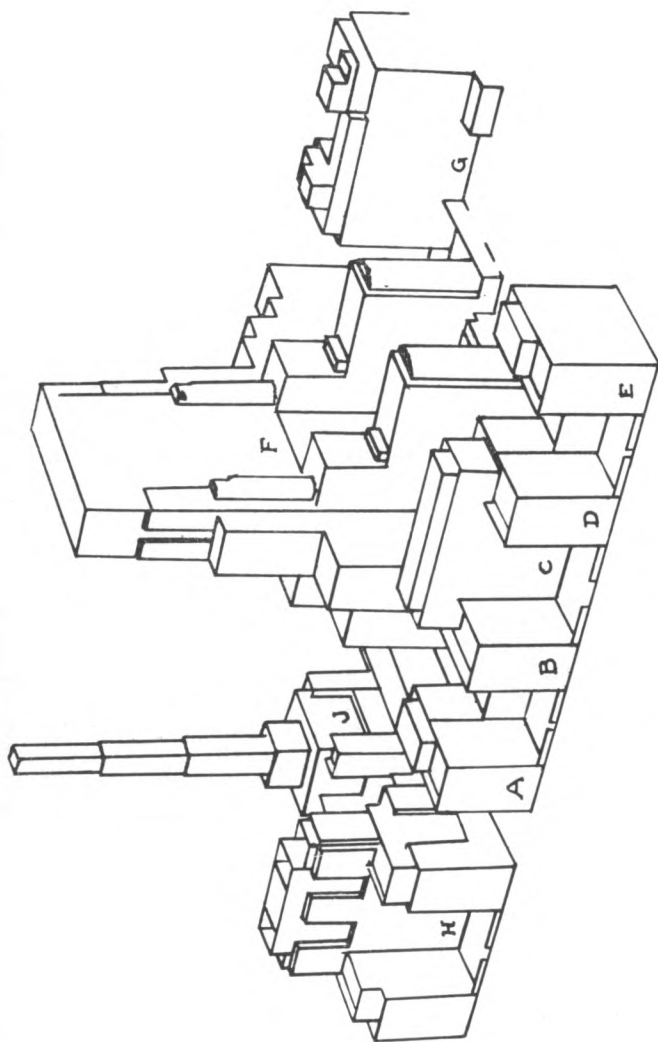


New York Hospital-Cornell Medical College from the east, showing Hospital for Special Surgery (foreground) and Olin Hall (background), new additions to the Center.



NEW YORK HOSPITAL — CORNELL MEDICAL COLLEGE

From the West showing Medical College



Key to the Photograph on the Opposite Page

- | | | |
|----------------------------------|-----------------------------------|--------------------------------------|
| A. Anatomy. | D. Physiology. | G. Payne Whitney Psychiatric Clinic. |
| B. Bacteriology and Immunology. | E. Biochemistry and Pharmacology. | H. Nurses' Residence. |
| C. Administration and Pathology. | F. New York Hospital. | J. Service and Power. |

BELLEVUE HOSPITAL. Bellevue is the central hospital of the New York City Department of Hospitals. It contains 3,325 beds and is devoted to the treatment of acute diseases. It is organized in four divisions, one of which has been placed at the disposal of the Faculty of Cornell University Medical College for medical instruction. The services conducted by the College include a medical service and a surgical service, each of 90 beds, a urological service and a neurological service of approximately 60 beds. The staff of these services are nominated by the College from among the members of its Faculty and teaching staff, and the Medical College is responsible for the professional conduct of these services.

HOSPITAL FOR SPECIAL SURGERY. The Hospital for Special Surgery occupies its new building adjacent to the New York Hospital and is an affiliated institution within the New York Hospital-Cornell Medical Center. Professionally, the Hospital for Special Surgery is, in effect, the orthopedic service of the New York Hospital.

MEMORIAL HOSPITAL. Through the generosity of the late Dr. James Douglas, who provided the hospital with an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College. The agreement between the Memorial Hospital and the College requires that the professional staff be named by the Council of the Medical College subject to the approval of the board of managers of the hospital. The facilities of the hospital, which are of exceptional value in the field of cancer, are available for study in this field by the members of the hospital staff, and unusual opportunities are afforded for instruction in the pathology, diagnosis, and treatment of neoplastic diseases.

MANHATTAN STATE HOSPITAL (WARD'S ISLAND). This hospital for the care and treatment of mental diseases accommodates over 5,000 patients. Through the courtesy of the superintendent, the department of psychiatry is enabled to utilize this clinical material for bedside study of patients and for the instruction of students.

LINCOLN HOSPITAL. This unit of the New York City Department of Hospitals has a bed capacity of 469 and facilities for handling cases in all divisions of clinical work. Through cooperative arrangements made possible by members of our teaching staff holding assignments on the hospital staff, a certain part of the teaching of medicine in the second year course is carried out on the wards of Lincoln Hospital. The abundance of clinical material and the type of disease met with in this institution afford a valuable adjunct to the work in this part of the medical course.

THE RUSSELL SAGE INSTITUTE OF PATHOLOGY

The Institute has been associated with Cornell University Medical College since 1913. At first it was affiliated with the Second Medical (Cornell) Division of Bellevue Hospital, but since 1932 it has been in the New York Hospital. The Institute has supported work in metabolism which has been conducted by the members of the departments of medicine and physiology. The respiration calorimeter which was operated for a number of years by Dr. DuBois, at Bellevue Hospital has been transferred by the directors of the Institute to the New York Hospital, and sufficient funds have been provided for carrying on the important metabolic studies by members of the staff. The medical director of the Institute is Dr. David P. Barr, Professor of Medicine.

THE LOOMIS LABORATORY

Founded in 1886 and located at 414 East 26th Street, this institution served the purpose of undergraduate instruction in the Medical College and provided facilities for original research in the various departments of laboratory investigation. The present Medical College building contains space dedicated to the original Loomis Laboratory and its established objectives.

THE LIBRARY

The reading room of the library is situated on the second floor of the central group of laboratory buildings, directly over the entrance of the Medical College. The current journals are kept in racks around three sides of the room. The book stacks are directly behind and open to the reading room, extending down to the subbasement with six floors of stacks and accommodations for about 100,000 volumes. There are also a library seminar room and several rooms for the library staff.

The library contains at present over 67,000 volumes, largely made up of complete sets of important journals in the fields of clinical medicine and the medical sciences, in English, German, and French. There are also well-selected collections of monographs, textbooks, and reprints.

Several of the departments of the Medical College have libraries containing journals, monographs, and textbooks pertaining especially to the subject matter of the departments. These serve to supplement in a useful way the scope of the main library.

The library is under the direction of a committee of the Faculty and in charge of a trained librarian who gives instruction to students on the proper methods of using the library and of searching medical literature.

In addition to the college library, students may obtain certain privileges at the library of the New York Academy of Medicine, Fifth Avenue and 103rd Street, the second largest medical library in the United States.

REQUIREMENTS FOR ADMISSION AND GRADUATION

THE FACULTY of Cornell University Medical College, in defining the qualifications for admission to the medical profession, attaches particular importance to the liberal culture and general education implied by the acquisition of a college degree. The college degree as a prerequisite for acceptance has been adopted by Faculty and Trustee action, and only the following candidates for the degree of Doctor of Medicine will be admitted to Cornell Medical College.

1. Graduates of approved colleges or scientific schools; or

2. Seniors in good standing in Cornell University or in any other approved college or scientific school whose faculty will permit them to substitute the first year of the professional course for the fourth year in arts and sciences, and who will confer upon them the Bachelor's degree upon the satisfactory completion of the first year of the course in the Cornell University Medical College. Students from institutions other than Cornell University seeking admission under this clause must have a statement from the Dean of their college signifying approval of this plan for fulfilling the requirements for the degree. Any student failing to receive his degree under this arrangement will not be admitted to the second year of the medical course.

3. Persons who, while not possessing a Bachelor's degree, give evidence by examination that they have acquired an equivalent education and a training sufficient to enable them to profit by the instruction offered in the Medical College. This rule is intended to apply to students of foreign universities.

The basic premedical requirements which all students must fulfill to qualify for admission to the study of medicine in New York State are set forth in the "Regulations of the Commissioner of Education," the pertinent part of which is as follows: "A candidate shall present evidence of having satisfactorily completed two years of study toward a liberal arts degree registered by the Department; or its equivalent as determined by the Commissioner. The required two years of college study shall include at least 6 semester hours each in English, physics, biology or zoology, and general chemistry, and 3 semester hours in organic chemistry."

Although the requirements outlined above form the basis of eligibility for admission to the medical course, they should be considered as representing the irreducible minimum. The list contains a total of twenty-seven credit points which probably represents sufficient time to enable the student to obtain a basic preparation in these different fields. In many colleges, however, additional credits in one or more of these departments are required of the candidate in order to satisfy major requirements for the degree. In making the choice of elective courses, consideration should be given to the principle that thorough training in the sciences is essential. On the other hand, choosing too many elective courses in these departments may not provide the most acceptable preparation for medicine, since it tends to limit the time available for study in other departments offering work of a broad educational value. Students planning to study medicine should bear in mind that bacteriology, immunology, human physiology, and abnormal psychology are properly subjects of the medical and not of the premedical curriculum. In planning premedical work students are advised to elect subjects which will lay a broad foundation for medical study rather than to anticipate courses required as a part of the medical curriculum.

Each year the Admissions Committee selects an entering class of approximately 84 students from a group of more than 1,400 applicants. The members of the committee are keenly aware of their serious responsibility in selecting students who have the native ability, traits of character, soundness of personality, and adequate financial responsibility that will enable them to finish satisfactorily their course in the Medical College. A serious obligation to society is also acknowledged by a medical school. It must graduate only those persons who can be expected, with reasonable certainty, to do creditable work in some field of medicine after graduation. The Admissions Committee selects from all applicants those who seem best to fulfill such requirements.

In selecting a relatively small class from a large group of well qualified applicants, the Committee is mindful of the sound and liberal traditions of Cornell University. They attempt to select well qualified students with varied backgrounds—from various geographic areas, from different socio-economic groups, and from varying types of educational institutions. As to grade averages, the Committee needs to satisfy itself that the applicant's scholastic record, both as to courses taken and grades received, gives reasonable assurance that the individual can do the medical curricular work without undue difficulty. Grading systems vary so much from school to school that no specific grade can be categorically stated as minimally acceptable. To be accepted for admission a student must have a satisfactory scholastic record. Beyond that, grades are considered less important than the personal attributes—emotional stability, sound character, healthy

personality, intellectual maturity, strong motivation, and ability to cooperate. The Medical College Admission Test results are helpful in appraising an applicant's academic ability. No one pattern of extra-curricular activities is considered more meritorious than another. The Admissions Committee looks at each applicant as a total individual, insofar as that is possible with the information obtainable. Those applicants are considered acceptable who have the qualities, abilities, and capabilities considered necessary in a person who hopes to become a physician. Eligibility for admission is determined without regard for race, creed, color, religion, or national origin. Admission policies are in conformity with the policy of the state in regard to the American ideal of equality of opportunity as embodied in the Education Practices Act.

As a general rule the courses given in professional schools of pharmacy, veterinary medicine, optometry, agriculture, and the like are not considered as fulfilling adequately the admission requirements.

APPLICATIONS FOR ADMISSION

All requests for application forms and inquiries regarding dates for submitting applications should be addressed to the Committee on Admissions, 1300 York Avenue, New York 21, N.Y. In making application for admission, the regular form issued for this purpose must be filled out and submitted to the Office of Admissions. Candidates are accepted for only one class in advance. With the large number of students making application in recent years, it has been necessary to assign a definite period for distributing application forms. For a class entering in September of a certain year, the application forms may be obtained on request beginning September 1 of the previous year. Applications should be completed during the fall, and no application will be accepted after January 15. A charge of \$5 is made for submitting an application. This fee should be made payable to Cornell University Medical College in the form of a check or money order and *is not returnable*.

Applications are passed upon by the Committee on Admissions after all credentials have been filed. As soon as the Committee takes favorable action upon an applicant, a letter of acceptance is forwarded to him, and the accepted applicant is required to make a deposit of \$50 within a specified time. This deposit is not returnable but is credited toward the first tuition payment. If the accepted student fails to make the deposit in the stipulated time, he forfeits his place on the class roll.

It is impossible for the Committee on Admissions to hold personal conferences with all candidates for admission as the number is too great, but selected individuals from the group of applicants receive an invitation to appear before members of the Committee.

A student who has previously attended another medical school and has been dropped for poor scholarship or unsatisfactory conduct is not

an acceptable candidate for admission to any class in Cornell Medical College. It is inadvisable, therefore, for one with this background to go through the formality of submitting an application.

ADMISSION TO ADVANCED STANDING

When vacancies occur, students may be admitted to advanced standing.

Application for a place in one of the upper classes should be filed according to the procedure described for admission to the first year class. Accepted applicants are required to make the deposit of \$50. Applicants must not only furnish acceptable evidence of having satisfactorily completed in an approved medical school all of the work required of students of the class they wish to enter, but also of having completed the conditions of admission to the first year class at Cornell University Medical College. They must present a certificate of honorable dismissal from the medical school or schools they have attended, and they may be required to take examinations in any of the medical courses taken at another school.

Although a certain number of students are regularly admitted from other institutions to enter the third year class at Cornell University Medical College, rarely have there been acceptances made of students to enter the fourth year on the basis of work at another medical school. Candidates seeking admission to the fourth year are required to come before the clinical departments for a thorough examination before final action is taken on their applications.

Persons who have received the degree of Doctor of Medicine at another institution will not be accepted as candidates for this degree at Cornell University Medical College. Likewise, persons who have finished all or part of the course in dentistry and seek a transfer to medicine are discouraged from making application here since Cornell does not have a department of dentistry and makes no provision for including any teaching in this subject in the medical curriculum.

ADVANCEMENT AND EXAMINATION

The entire medical curriculum is arranged in four courses, or academic years, and the student advances an academic year at a time. It is necessary that he complete all the subjects of a given academic year before taking up the next group of subjects. To be promoted to any of the advanced years (second, third, or fourth) he must be approved for advancement by the Faculty.

Any student who by quality of work or conduct indicates an unfitness to enter the profession of medicine may, at the discretion of the Faculty, be required at any time to withdraw from the Medical College.

At the close of the academic year examinations are given in all subjects except those extending through a part of the year only, in which

examinations may be held at the close of the course in the hours allotted thereto. In making up a student's rating in a given course, all work covered in that subject during the year is taken into account, and due weight is assigned to the effort he puts in his work, his seriousness of purpose, and his scholastic resourcefulness, as well as the results of the final examination.

A final rating is made for each student at the end of the academic year, based on the results of his performance in all courses in the curriculum of that year. These final ratings of students are made on the recommendations of the Committee on Promotion and Graduation; then they are reviewed and formally acted on by the Faculty. The Faculty ratings classify all students of the medical course under one of four groups as follows:

1. Students with no encumbrances in any subject are recorded as "passed." This rating confers eligibility for readmission into the Medical College in the next higher class, unless by reason of conduct the Faculty considers the student unsuited for the medical profession.

2. Students with an unsatisfactory rating in 40 per cent or more of the required hours in a given year are recorded as "not passed." A rating of "not passed" carries ineligibility for readmission into the Medical College.

3. Students with an unsatisfactory rating in less than 40 per cent of the required hours of a given year are recorded as "conditioned." A "conditioned" student has failures in certain required courses, and he may be reexamined in these subjects, but only after pursuing additional work under the direction of the head of the department in which a failure has occurred. Students who fail on reexaminations are ineligible for readmission into the Medical College, unless under special circumstances they are permitted by the Faculty to repeat courses in which their work is deficient.

4. Students with uniformly low grades in most subjects of the course for two years or more are subject to special review by the Faculty, and any students with a record of this kind may be deemed unqualified to enter the medical profession. A rating in this group carries ineligibility for readmission into the Medical College.

It is a well established policy of the Medical College to make no announcement to students of grades received in any subject of the medical course. At the close of each academic year, however, students are informed of the quarter of the class in which their weighted average score places them in the order of class standing.

A transcript of the Medical College record of a student or graduate will be mailed on his request to accredited hospitals and to educational or other well recognized institutions as credentials in support of his application for a position or promotion. All transcripts are marked "confidential" and carry the instructions that they are not to be turned

over to the candidate. This ruling is for the purpose of avoiding possible loss and fraudulent use of an official document of the Medical College. The Medical College makes no charge for sending out transcripts of record.

REQUIREMENTS FOR GRADUATION

The candidates for the degree of Doctor of Medicine must have attained the age of twenty-one years and be of good moral character.

They must have completed successfully four full courses of at least eight months each as regular matriculated medical students, the last of which must have been in Cornell University Medical College. They must have satisfactorily completed all the required work of the medical curriculum and must have passed all prescribed examinations. At the end of the fourth year every student who has fulfilled these requirements will be recommended to the President and Trustees of Cornell University for the degree of Doctor of Medicine.

EXAMINATIONS FOR MEDICAL LICENSURE

Graduates of Cornell University Medical College are admitted unconditionally to the examinations for license to practice medicine in all states of the United States.

Students and graduates of Cornell University Medical College are admitted to the examinations of the National Board of Medical Examiners, whose certificate is recognized by the respective authorities of England, Scotland, and Ireland. Although national in scope and organized under the laws of the District of Columbia, the National Board of Medical Examiners is not to be confused with a federal government agency. For information write to the National Board of Medical Examiners, 133 South 36th Street, Philadelphia 4, Pa.

GENERAL INFORMATION

FEES AND EXPENSES

ALL FEES for instruction and other charges are paid at the Business Office of the Medical College, Room A-131, 1300 York Avenue, New York 21, N.Y.

Veterans receiving federal or state educational benefits are required to report to the Veterans Affairs Office, Room D-115, immediately after registering.

The Board of Trustees of Cornell University reserves the right to change the schedule of fees of the Medical College when deemed expedient.

APPLICATION FEE

A charge made for reviewing an application \$ 5.00

ACCEPTANCE DEPOSIT \$50.00

Each student admitted is given notice of favorable action on his application and a limited time (usually two weeks) in which to decide if he will enroll in the entering class. His name is not placed on the class list until the acceptance fee is paid. The fee is credited toward the tuition charge and is not returnable if the student fails to enter.

Beginning 1 July 1957 the following tuition and fee rates will be effective:

TUITION FEE, for academic year \$1,000.00

COMPREHENSIVE FEE, for academic year \$100.00

The charges are payable at the beginning of the academic year, or in three equal parts, the first of which must be made at registration. For fourth year students, the first installment will be due at or before September registration. No refund or rebate will be made in any instance.

Included in the comprehensive fee are the following:

Matriculation Fee

Student Hospitalization Insurance, for calendar year.

This insurance is carried through the Associated Hospital Service (Blue Cross plan) and may be extended to wives and families of

married students at additional cost. This insurance plan covers all hospital costs for a limited period of time for any student in good standing who is hospitalized in the New York Hospital. It assures the usual Blue Cross plan coverage for hospitalization in other hospitals.

Student Health Service

Described below.

Graduation Fee and rental fee for cap and gown for graduation exercises.

SCHOLARSHIPS

Beginning with the 1957-1958 academic year, additional scholarship funds will be available. Entering students are eligible to apply and should address inquiries to the Chairman of the Admissions Committee.

BOOKS AND INSTRUMENTS

The average cost is approximately \$135 a year, distributed as follows: first year, \$150; second year, \$215; third year, \$125; fourth year, \$50.

MICROSCOPES

Each student is required to provide himself with a microscope of an approved type. The College Book Store handles all makes, and students placing their orders here are given every consideration in the purchase price on the instrument they select. A limited number of microscopes are available for rental at \$25 a year. Anyone wishing to rent one of these microscopes should write to make a reservation as early as possible.

RESIDENCE AND LIVING EXPENSES

F. W. Olin Hall, student residence, was completed for occupancy in September, 1954. This building was made possible by a generous gift from the Olin Foundation. The residence is located on York Avenue at 69th Street, directly across the street from the Medical College entrance. It contains a gymnasium, snack bar, lounge rooms, and 278 residence rooms. The Alumni Memorial Room contains the George T. Delacorte, Jr., Book Collection as well as the War Memorial to Cornell graduates who gave their lives in the Wars. Each residence room is furnished as a single bedroom-study, but, since each two rooms have a connecting bath, they may be used as a suite for two students if desired. The rooms are completely furnished, and linen service is provided. Rental for students are: for an academic year, \$285; for a full year (12 months), \$350; for periods less than one year, \$35 a month; \$10 a week; \$1.50 a night. One floor is reserved for women students, and nonhousekeeping facilities for married students are available.

STUDENT HEALTH SERVICE

Members of the first year class and students transferred to advanced standing from other colleges are required to have a physical examination by a member of the Student Health Staff. In addition, each student in the Medical College must report once a year for an X-ray examination of the lungs. All members of the fourth year class are called for a reexamination, and a careful check of the findings is made with those presented at the time the student entered. Students pay no fee for the yearly X-ray examination, nor for the services of the Student Health Staff, but they are charged for any special X-ray studies. Office hours are held from 12:30 to 1:30 o'clock and 4:30 to 5:10 o'clock daily by the Student Health Staff. Health records are kept and students advised concerning their physical condition and general health. All cases of illness must be reported to the College office. Students may have in attendance physicians of their own choice, but a reasonable amount of cooperation between such physicians and the College's Health Service is expected.

PRIZES

1. *FOR GENERAL EFFICIENCY.* In commemoration of John Metcalfe Polk, an instructor in this college who was graduated from Cornell University Medical College June 7, 1899, and died on March 29, 1904, prizes will be presented at each commencement to the three students having the highest standing for the four years' work. Only those who have taken the full course of study at Cornell University Medical College are eligible. The first prize is \$250, the second \$100, and the third \$50.

2. *FOR EFFICIENCY IN OPHTHALMOLOGY.* Two prizes, the first of \$50, the second of \$25, are offered by Professor Bernard Samuels to the two students of the graduating class who make the best records in ophthalmology.

3. *FOR EFFICIENCY IN OTOLARYNGOLOGY.* Two prizes, the first of \$50, the second of \$25, are offered by members of the staff of otolaryngology to the two students of the graduating class who make the best record in this specialty.

4. *FOR EFFICIENCY IN OBSTETRICS.* Two prizes, the first of \$50, the second of \$25, have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligmann, in obstetrics, to be given to the two students of the graduating class who have made the best records in obstetrics.

5. *FOR EFFICIENCY IN GENERAL MEDICINE.* The income from \$1,000 is offered as a prize for general efficiency in the department of medicine, in commemoration of Alfred Moritz Michaelis, who was

graduated from Cornell University Medical College on June 11, 1925, and who died during his internship at Mt. Sinai Hospital, April 24, 1926. Presented at each commencement to a member of the graduating class who has pursued the full course at Cornell University Medical College.

6. *THE MARY ALDRICH FUND*. In memory of William Mecklenburg Polk, M.D., LL.D., first dean of the Medical College, two prizes are offered for proficiency in research to regularly matriculated students of the Cornell University Medical College, the first of \$150, and the second of \$50. Members of all classes are eligible for these prizes.

The awards are made at the end of each academic year for the best report presented in writing of research work done by students, or for valuable reviews and logical presentations on medical subjects not to be found fully considered in a single text or reference book. If the papers submitted are not considered worthy of special commendation, the prizes will be withheld.

Papers are submitted in quadruplicate in a sealed envelope marked "Dean William Mecklenburg Polk Memorial Prize Committee" and must be in the Administration Office not later than three weeks prior to the end of each academic year.

The committee of awards for this prize consists of two members of the Faculty from laboratory departments and two from clinical departments.

For 1956 the William Mecklenburg Polk Prize awards for research were: first prize: Robert E. Hardy; second prize: George C. Schussler.

7. *THE WILLIAM C. THRO MEMORIAL FUND*. Established in memory of William C. Thro of the class of 1901 whose all-absorbing interest in and devotion to clinical pathology found expression in the teaching and practice of this subject in his alma mater continuously from 1910 to 1938. The prize award is to be given to the student showing the best record in the course in clinical pathology. The candidate for the prize is to be recommended by the professor of clinical pathology and the award made by the Committee on Prizes and Scholarships.

8. *THE HERMAN L. JACOBUS PRIZE IN PATHOLOGY*. Established in 1945 by a gift from Dr. Lawrence Jacobus and his friends in memory of his son who was killed in action in the Netherlands on September 28, 1944. Dr. Herman L. Jacobus was a member of the class of 1939. The income of the fund is available annually to the student of the third or fourth year class who, in the opinion of the staff of the department of pathology, merits recognition for high scholastic attainments and outstanding performance in the subject of pathology. If in any year no student merits the distinction the award will be withheld.

9. *THE BORDEN UNDERGRADUATE RESEARCH AWARD*.

The terms of this grant by The Borden Company Foundation, Inc., provide for awards of \$500 during any one calendar year for a period of five years. The award will be made under the following terms and conditions:

1. All persons in the graduating class of the Medical College of Cornell University who, during any year while enrolled in the College, have carried out undergraduate research in the medical field shall be eligible for the Borden Undergraduate Research Award in Medicine. The award shall be presented at the time of his graduation to that eligible person whose research has been determined by the Medical College to be the most meritorious performed by all similarly eligible persons. Originality and thoroughness of research shall be of primary consideration.

2. In the event that the Dean shall find it inappropriate to make the award in any one year, the award may be deferred to another year. Only one award, however, will be made during any one calendar year.

Papers submitted for this prize should be in quadruplicate and must be in the Administration Office not later than three weeks before the end of the term.

The Borden Prize for Research for the year 1956 was awarded to Abdol Hossein E. Samiy.

10. *THE GOOD PHYSICIAN AWARD.* A silver desk tray, suitably inscribed, given by a friend of the Medical College who wishes to remain anonymous, will be awarded at Commencement to that member of the graduating class who, by vote of the class, best exemplifies the intangible qualities of "*The Good Physician.*"

11. *CHARLES L. HORN PRIZE FUND.* The income from this fund will be awarded each year to the member of the graduating class who has demonstrated the most improvement in scholarship in the course of four years of study in the Medical College.

SCHOLARSHIPS

1. *THE JOHN METCALFE POLK SCHOLARSHIP.* A gift under the will of William Mecklenburg Polk, the first Dean of the Medical College, is awarded annually by the Faculty. The scholarship amounts to about \$200 a year.

2. *THE THORNE SHAW SCHOLARSHIP FUND.* This fund provides three scholarships designated as:

First: A scholarship of approximately \$400 available to students after at least two years of study in the Medical College.

Second: Two scholarships of approximately \$200 each available to students after at least one year of study in the Medical College.

These scholarships are awarded by the Faculty upon nomination by the Committee on Scholarships and Prizes. They are awarded annually in June and are for one year only. Students receiving the scholarships are notified of the award at the end of the session.

3. *MARY F. HALL SCHOLARSHIP*. The income, amounting to about \$180 annually, from a fund established by bequest of Miss Mary F. Hall, is available to any woman student in Cornell University Medical College who needs its aid and who is a bona fide resident of the State of New York and was such prior to admission to the College.

4. *THE 1936 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND*. A five thousand dollar fund established in 1936, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year providing the qualifications of the candidate merit a reaward. If during any year the income from the fund is not used as stated above, then it may be used for such research work, or otherwise, as in the judgment of the Faculty (or Trustees) may be deemed best.

5. *THE 1939 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND*. A five thousand dollar fund established in 1939, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year providing the qualifications of the candidate merit a reaward. If during any year the income from the fund is not used as stated above, then it may be used for such research work, or otherwise, as in the judgment of the Faculty (or Trustees) may be deemed best.

6. *THE JEREMIAH S. FERGUSON SCHOLARSHIP*. Established in memory of Jeremiah S. Ferguson, who throughout his long connection with the Medical College, of somewhat more than forty years, devoted much effort to helping students with their individual problems and promoting their professional careers. The fund amounts to \$5,000, the income from which, approximately \$200 a year, is awarded annually by the Committee on Scholarships and Prizes to a student or students in the third and fourth year classes in the Medical College who are in need of financial aid and who by conduct and scholarship have proved worthy investments.

7. *THE CHARLES RUPERT STOCKARD SCHOLARSHIP*. A ten thousand dollar fund was established in 1939 by a friend of the late Charles Rupert Stockard, Professor of Anatomy in the Cornell University Medical College, 1911-39. The interest of this fund is to be awarded either to one student (approximately \$400) or to two students (approximately \$200 each) who have shown promise in the work in the department of anatomy and who are desirous of doing advanced work in this department. The scholarships are to be awarded by the Executive Faculty upon nomination by the head of the department of anatomy.

8. *THE DR. JOHN A. HEIM SCHOLARSHIPS*. Established under the will of John A. Heim of the class of 1905 to provide such number of scholarships in the Medical College as there shall be funds available for that purpose. The awards are to be made to regularly matriculated medical students who are in need of financial assistance, as provided for in the terms of the bequest.

First year students are eligible, provided they meet the standards prescribed.

9. *THE DR. CHARLES I. HYDE '10 AND EVA HYDE SCHOLARSHIP FUND*. Established in memory of their daughter, Anita Shirley Hyde. The terms of this endowment provide that the income be available annually to meritorious students who have completed one year of the regular medical course and are in need of assistance. The income from this endowment amounts to about \$100 yearly.

10. *THE DR. JACQUES SAPHIER SCHOLARSHIP FUND*. Established in memory of Dr. Jacques Conrad Saphier (Lieutenant, j.g., USNR) of the class of 1940, who was killed in action on August 21, 1942, at Guadalcanal while in the performance of his duty. The income from this fund shall be awarded annually to a meritorious student of the Cornell University Medical College who has completed at least one year of work, who needs its aid, and who, in the opinion of the Faculty merits the recognition for which this scholarship was established.

11. *THE ELISE STRANG L'ESPERANCE SCHOLARSHIP*. This award is maintained by the personal contributions of Dr. Elise Strang L'Esperance, whose interests in the educational advancements of the Medical College have continued for many years. The value of this scholarship is \$1,000, and the award is to be given annually to the most outstanding woman medical student in the fourth year class in Cornell University Medical College. The selection of the recipient of this scholarship is to be made by the Dean in consultation with persons suggested under the original donation.

12. *THE SAGAN FOUNDATION SCHOLARSHIP*. An annual scholarship of \$500 to be awarded to a student in Cornell University Medical College, to be selected by the College on the basis of scholarship and need, without reference to race, color, sex, or creed. In the event the Foundation should discontinue the award, at least one year's notice shall be given the Medical College. A special blank issued by the Sagan Foundation should be obtained from the Dean's Office by students making application for this scholarship.

13. *RUTH HOLLOHAN SCHOLARSHIP FUND*. This fund was established by the terms of the will of Jessie L. Hollohan in memory of Ruth Hollohan. The income is to be used for scholarships for students

in the Medical College, with first consideration to be given to entering students of good scholarship who are in need of financial assistance.

14. *THE WALLACE D. GARRABRANDT SCHOLARSHIP.* Established by Mabel G. Gormley. This scholarship, amounting to approximately \$200, is to be awarded annually by the Committee on Scholarships to a regularly matriculated medical student of good scholarship who is in need of financial assistance.

15. *LEONA E. TODD SCHOLARSHIP.* Under the terms of the will of Alzina T. Elliott, a scholarship has been established for women students in the Medical College. The income from the gift is approximately \$800 per year.

16. *JOHN WILLIAM TATEM SCHOLARSHIP.* Through the generosity of John William Tatem, a scholarship has been established for an entering student. This is to be awarded to an applicant who has shown outstanding ability and who needs aid to enable him to attend medical school. The award is for \$1,250 yearly as long as the student maintains a good record in his medical studies.

17. *ANONYMOUS SCHOLARSHIP.* A generous donor has established two scholarships, each paying \$2,000 a year for four years of medical study. One such award may be made every two years. These scholarships are to be given to students whose qualifications give outstanding promise for success in medicine, and who are unable to attend medical school without financial assistance.

18. *THE CORNELL UNIVERSITY MEDICAL COLLEGE FUND.* This fund was established in 1954 by gifts from Mrs. Howard Charles. In addition to the contributions originally made by Mrs. Charles, the fund consists also of donations from Alumni, faculty, patients, and others in varying amounts. The purpose of the fund is to provide a source of financial assistance to deserving students who have made satisfactory progress in their studies.

The awards are made by the Committee on Scholarships and in amounts commensurate with the money available.

19. *VIVIAN B. ALLEN SCHOLARSHIP.* Through the generosity of the Vivian B. Allen Foundation, Inc., this endowment has been established to aid needy male students of good scholastic standing who otherwise would not be able to complete their medical education.

20. *MARY LOUISE WUESTER SCHOLARSHIP.* Established in memory of his mother by Dr. William O. Wuester. The income of this fund is awarded annually by the Committee on Scholarships to a regularly matriculated medical student of good scholarship in need of financial aid.

21. *ROBERT E. SPENO SCHOLARSHIP*. Established in 1952 by gift from Frank Speno in memory of his son, Robert E. Speno. A room in F. W. Olin Hall is named the Robert E. Speno Room, and income from the endowment provides a roomrent scholarship.

22. *ELIZABETH AND NEILL HOUSTON SCHOLARSHIP*. Established in 1952 by a gift from Elizabeth and Neill Houston. A room in F. W. Olin Hall is designated the Elizabeth and Neill Houston Room, and income from the endowment provides a roomrent scholarship.

23. *DR. HARRY ENO SCHOLARSHIP ENDOWMENT*. Established in 1955 by gift of Dr. Harry Eno, the income to provide scholarships for needy and worthy students in the Medical College.

BURSARY FOR WOMEN STUDENTS

THE MARIE AND JOHN ZIMMERMAN FUND. A sum from this fund will be available this year to certain women students as a memorial to Marie Zimmerman, Sr. The candidates will be chosen in accordance with the purposes of the donor as set forth in the following terms:

"It is the desire of the Fund that Dr. Connie M. Guion and the Associate Dean assign the proceeds of the donations to one or more women medical students who are financially in need of assistance and whose academic standing leads them to believe that the recipients of the awards will make a success in their profession."

The objectives and method of assigning these awards will follow the principles accompanying the donations received during the present year.

LOAN FUNDS

1. *THE 1923 LOAN FUND*. The income from this fund amounts to \$350 a year and is available as a loan to students needing financial assistance, preferably to a third year student.

2. *ALUMNI ASSOCIATION LOAN FUNDS*. The Alumni Association of the Medical College is able to aid a few students in meeting their expenses by the Jessie P. Andresen Memorial Fund and the Class Student Loan Funds. The loans made from these funds will be administered by the Board of Directors of the Alumni Association. The Medical College is consulted in making these awards. Students in the upper classes will be given preference.

3. *STUDENT LOAN FUND*. A revolving fund contributed through different sources including The Kellogg Foundation, The Charles Hayden Foundation, and the Student Book Store is available to students in

all classes who are in need of assistance. Every effort is made within the limitations of the financial structure of the institution to help students who by reason of unforeseen circumstances get into money difficulties. A special committee considers each case on its individual merits. A student having indebtedness to the Medical College in other ways than formal loans is ineligible for graduation.

4. *JOSEPH C. HINSEY LOAN FUND*. Made available through the generosity of the Olin Foundation. A revolving loan fund to advance funds on a loan basis to students in need of financial assistance.

ALPHA OMEGA ALPHA

Alpha Omega Alpha is a nonsecret Medical College Honor Society, membership in which is based upon scholarship, moral qualifications being satisfactory. It was organized at the College of Medicine of the University of Illinois, Chicago, August 25, 1902. A.O.A. is the only order of its kind on this continent.

Elections are made from students who have fully completed two years of a four year curriculum, by unanimous vote of the active members acting on recommendations made by Faculty advisers. Not more than one-sixth of any class may be elected. Aspects of and indispensable to true scholarship are included open-mindedness, individuality, originality, demonstration of studious attitude, and promise of intellectual growth.

The Cornell Chapter of A.O.A. was organized May 2, 1910. A large number of the Faculty are members. The Chapter sponsors an annual open lecture delivered in the Medical College Auditorium on a cultural or historical phase of medicine.

The members elected from the graduating class of 1956 are the following: Richard A. Antell, Elliott E. Blinderman, Bertram S. Brown, Paul D. Carter, Jay N. Cohn, William C. Cooper, Mitchell Mills, William A. Morgan, Jr., Joseph Oren, Donald J. Reis, Eugene J. Segre, Frederic W. Smith, Richard W. Weiskopf, Robert E. Whalen.

SIGMA XI

Sigma Xi, a national honorary society devoted to the encouragement of scientific research, was founded at Cornell University at Ithaca in 1886. An active branch of the Cornell Chapter is maintained at the Medical College. Many members of the Faculty and research staff are members of Sigma Xi and share in the activities of the Cornell Chapter. Medical students are eligible for election to membership in Sigma Xi on the basis of proved ability to carry on original medical research and on nomination by active members of the Cornell Chapter.

CORNELL UNIVERSITY MEDICAL COLLEGE
ALUMNI ASSOCIATION, INC.*Officers*

Joseph F. Artusio, Jr., '43	<i>President</i>
Mary Ann Payne, '45	<i>Vice President</i>
Keith O. Guthrie, Jr., '40	<i>Secretary</i>
Henry A. Carr, '35	<i>Treasurer</i>
Miss Ellen R. Phillips	<i>Executive Secretary</i>

Directors

Three Year Term: John A. Evans, '35; Susan J. Hadley, '44.

Two Year Term: William A. Barnes, '37; George L. Kauer, Jr., '37.

One Year Term: Irving S. Wright, '36; Adelaide Romaine, '29.

Alumni Quarterly

David N. Barrows, '12	<i>Editor</i>
Willis M. Weeden, '19	<i>Associate Editor</i>
Edward F. Stanton, '35	<i>Associate Editor</i>

Each graduate of Cornell University Medical College is automatically considered a member of the Alumni Association, and the dues are \$5 a year. The activities of the Association include a quarterly publication, an annual banquet, student and faculty parties, student loan funds, and an employment bureau. The Association maintains an office at 1300 York Avenue.

An annual appeal for funds for the use of the Medical College is made to members of the Association.

EDUCATIONAL POLICIES AND PLAN OF INSTRUCTION

THE MEDICAL COLLEGE is divided into twelve major departments, seven of which are primarily concerned with the sciences underlying clinical medicine. They are anatomy, biochemistry, physiology, microbiology and immunology, pathology, pharmacology, and public health and preventive medicine. Five departments have as their major functions the study, treatment, and prevention of human diseases, and maternity care. These are medicine, surgery, pediatrics, psychiatry, and obstetrics and gynecology.

The heads of these major departments, together with the President of the University and the Dean, constitute the Executive Faculty, which is responsible for the educational policies of the College.

Courses required to be completed by each student before the degree of Doctor of Medicine is conferred by Cornell University are offered by each department. These courses are arranged, in their sequence and duration, to develop logically the knowledge and training of students and to build up gradually the requirements needed for graduation as Doctor of Medicine. The various departments also offer courses and opportunities for special study open to regular medical students, to candidates for advanced degrees in the Graduate School of Cornell University, and to qualified advanced students of medicine not candidates for degrees.

Medical knowledge is so extensive that only a small part of that needed for a successful career in medicine can be acquired during the time devoted to medical study by the medical college curriculum. The time devoted by the prospective physician to his preparation for the practice of medicine includes at least one and often many more years of graduate medical education as intern or resident of a hospital, either in clinical or laboratory work or both. The required period of study at Cornell University Medical College extends over four academic years of at least thirty-three weeks each.

As medical science and medical practice may be pursued in a variety of ways, it is the policy of the College to encourage the student to vary his course of study according to his special interests and particular talents as far as is consistent with meeting the requirements for the degree of Doctor of Medicine.

A thesis is not required for the degree of Doctor of Medicine, but students are encouraged to engage in individual work as far as their time permits, with the hope that they may accomplish results worthy of publication. It is desirable, therefore, for some students to devote all their free time to a single subject in which they have a special interest.

The development of technical and scientific proficiency in the various special fields of clinical medicine is not encouraged during the regular medical course but must await adequate training after graduation.

The first year of study is devoted to anatomy, biochemistry, physiology, microbiology, and psychobiology.

In the second year, the subjects of physiology and microbiology are completed, and the student takes up work in parasitology, pathology, pharmacology, physical diagnosis, psychiatry, neurology, clinical pathology, public health, ophthalmology, radiology, and surgery.

During the third and fourth years, students are divided into small groups for practical work in the various clinics and for elective work. The third year class meets at noon each day for clinical lectures and demonstrations.

Time for elective work is provided in the fourth year, after students have had opportunities to acquire some knowledge of the medical sciences and of clinical medicine. Students are advised to consult informally members of the Faculty in regard to the use of their time for elective work. It is deemed best not to establish a formal advisory system.

The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without previous notice to students.

DESCRIPTION OF COURSES

ANATOMY

DON W. FAWCETT, Professor of Anatomy
JOSEPH C. HINSEY, Professor of Neuroanatomy
JOHN MACLEOD, Associate Professor of Anatomy
WILLIAM A. GEOHEGAN, Assistant Professor of Clinical Anatomy
WILBUR D. HAGAMEN, Assistant Professor of Anatomy
LAWRENCE W. HANLON, Assistant Professor of Anatomy
ERNEST W. LAMPE, Assistant Professor of Clinical Anatomy

Research Associate: Doris G. Holmquist

Instructors: Leonard M. Napolitano, John L. Norris, Cecily C. Selby, D. B. Slautterback, Daris R. Swindler.

Assistant: Dana C. Brooks

MICROSCOPIC ANATOMY. . . Lectures, demonstrations, and laboratory work. The lectures are largely devoted to the presentation of current concepts of the microscopic and submicroscopic structure of the cells and tissues of the body. An effort is also made in the lectures to give the student some familiarity with the principal investigational methods of histology and of experimental cell research, including microtomy and selective staining; histochemical reactions; tissue culture and transparent chamber techniques; micromanipulation; phase contrast, interference and polarization microscopy, and electron microscopy.

A loan collection of histological sections is studied in the laboratory, and training is given in the rapid visual identification of sections of the normal organs. The work on tissues fixed and stained by routine methods is supplemented by study of demonstration slides prepared by special research techniques. An opportunity is given for the student to carry out simple staining procedures on fresh tissue.

Laboratory and lectures, 180 hours, first and second terms. Required of all first year students.

NEUROANATOMY. . . A laboratory course on the gross and microscopic anatomy of the human nervous system. Special emphasis is placed upon the more important nervous pathways and their functions.

Laboratory and demonstrations, 84 hours. Required of all first year students during the second term.

GROSS ANATOMY. . . A course in regional anatomy taught by means of lectures, demonstrations, and dissection. The most important feature of the course is the opportunity provided for the student to carry

out a thorough dissection of the human body. Lectures are used to point out the clinical significance of the more important anatomical relations in each region. In addition, lectures in embryology, growth, and development are given to provide the background for a better understanding of normal anatomy and the genesis of the common congenital anomalies.

Total laboratory hours, 374. First and second terms of the first year. Required of all first year students.

ELECTIVE COURSES... Subject to the department's approval, the equipment of the department of anatomy is available to medical students wishing to pursue advanced study or research in anatomical subjects. Schedules to fit individual requirements will be arranged for a limited number of third and fourth year students who may wish to spend a major portion of their elective time in this department. Such elective time may be used for (1) a review of gross dissection or (2) a research project in neuroanatomy or microscopic anatomy. Members of the staff will direct the progress of such undertakings.

GROSS ANATOMY... A limited number of graduates in medicine will be provided with material for dissection of the human body. Fee, \$50 for a term of ten weeks; or for entire dissection, \$100.

COURSE IN SURGICAL ANATOMY... An extensive review of surgical anatomy with demonstrations and dissections. The course is specially designed for candidates for the American Board of Surgery and is in charge of Dr. Ernest W. Lampe. The fee for the course, which includes matriculation, registration charges, and tuition, is \$200, and the course will be for a period of four weeks. The size of the class is limited to 25 persons. Inquiries may be directed to Office of the Dean, Cornell University Medical College, 1300 York Avenue, New York 21, N.Y.

ANATOMICAL RESEARCH... Subject to special arrangement with the head of the department.

BIOCHEMISTRY

VINCENT DU VIGNEAUD, Professor of Biochemistry
ROY W. BONSNES, Associate Professor of Biochemistry
DONALD B. MELVILLE, Associate Professor of Biochemistry
JULIAN R. RACHELE, Associate Professor of Biochemistry
HELENA GILDER, Assistant Professor of Biochemistry
FRANK R. N. GURD, Assistant Professor of Clinical Biochemistry
PANAYOTIS G. KATSOYANNIS, Assistant Professor of Biochemistry

Research Associates: Dorothy Arata, Dorothy S. Genghof, Edward S. Inamine, Graham A. Jamieson, Wilson B. Lutz, Mary Elizabeth Wright

Instructor: Stephen J. Eich

Research Fellows: Roger Archer, Albert Light

Research Assistant: Helmut Grünewald

The instruction in biochemistry is concentrated in the first year and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and physics. The object is to impart that fundamental knowledge of biochemistry which is necessary to the comprehension of the bearings of chemistry upon medicine.

The schedule during the first and second terms is devoted to an intensive course in general biochemistry by means of lectures, demonstrations, and conferences. During the third term the instruction is centered largely in the laboratory and the conference room where the knowledge gained in the first two terms is consolidated and amplified. Considerable emphasis is laid upon quantitative rather than qualitative laboratory procedures. Throughout these lectures the application of biochemistry to the study of disease and metabolic disturbances is stressed. Collateral reading in biochemical literature is encouraged.

FIRST AND SECOND TERM. . . . Lecture and conference course dealing with the chemistry and intermediary metabolism of proteins, fats, carbohydrates, and purines; enzymes, digestion, intestinal, putrefaction, and feces; the composition of the tissues, blood, milk, and urine; hormones and vitamins; the elements of physical chemistry as applied to biology and medicine, with emphasis on the fundamental properties of electrolytes and colloids. 33 hours, first term. 33 hours, second term.

THIRD TERM. . . . Laboratory course with lectures and conferences extending the work of the first two terms. 154 hours, third term.

ELECTIVE COURSES

ADVANCED LABORATORY WORK OR RESEARCH. . . . By special arrangement.

COURSES OPEN TO SPECIAL STUDENTS

BIOCHEMISTRY. . . . Fee, \$25 a term.

BIOCHEMICAL LITERATURE. . . . Seminar course on the current literature in biochemistry, mainly for graduate students but open to a limited number of specially qualified medical students. Hours to be arranged. Professors du Vigneaud, Melville, and Rachele.

BIOCHEMICAL PREPARATIONS. . . . A laboratory course dealing with the isolation, synthesis, and analysis of selected compounds of biological importance. Hours, credits, and fees to be arranged. The Staff.

RESEARCH IN BIOCHEMISTRY. . . . By arrangement with the head of the department.

MEDICINE

DAVID P. BARR, Professor of Medicine (*Chairman*)
JOSEPH H. BURCHENAL, Professor of Medicine
LLOYD F. CRAVER, Professor of Clinical Medicine
CLAUDE E. FORKNER, Professor of Clinical Medicine*
LOUIS HAUSMAN, Professor of Clinical Medicine (Neurology)
GEORGE M. LEWIS, Professor of Clinical Medicine (Dermatology)
ASA L. LINCOLN, Professor of Clinical Medicine
ADE T. MILHORAT, Professor of Clinical Medicine
RULON W. RAWSON, Professor of Medicine
PAUL REZNIKOFF, Professor of Clinical Medicine
LEWIS D. STEVENSON, Professor of Clinical Medicine (Neurology)
HAROLD G. WOLFF, Professor of Medicine (Neurology)
IRVING S. WRIGHT, Professor of Clinical Medicine
THOMAS P. ALMY, Associate Professor of Medicine
HORACE S. BALDWIN, Associate Professor of Clinical Medicine
ANTHONY C. CIPOLLARO, Associate Professor of Clinical Medicine (Dermatology)
FRANK E. CORMIA, Associate Professor of Clinical Medicine (Dermatology)
HENRY S. DUNNING, Associate Professor of Clinical Medicine
RICHARD H. FREYBERG, Associate Professor of Clinical Medicine
WILLIAM J. GRACE, Associate Professor of Medicine
EDWIN T. HAUSER, Associate Professor of Clinical Medicine
LAWRENCE E. HINKLE, Jr., Associate Professor of Clinical Medicine
ELLIOT HOCHSTEIN, Associate Professor of Clinical Medicine
DAVID A. KARNOFSKY, Associate Professor of Medicine
B. H. KEAN, Associate Professor of Clinical Medicine (Tropical Medicine)
MILTON L. KRAMER, Associate Professor of Clinical Medicine
ALLYN B. LEY, Associate Professor of Clinical Medicine
MARY H. LOVELESS, Associate Professor of Clinical Medicine (Allergy)
E. HUGH LUCKEY, Associate Professor of Medicine
CARL MUSCHENHEIM, Associate Professor of Clinical Medicine
THEODORE W. OPPEL, Associate Professor of Clinical Medicine
OLOF H. PEARSON, Associate Professor of Medicine
GEORGE G. READER, Associate Professor of Medicine
HENRY B. RICHARDSON, Associate Professor of Clinical Medicine
DAVID E. ROGERS, Associate Professor of Medicine
SIDNEY ROTHBARD, Associate Professor of Medicine
DONALD J. SIMONS, Associate Professor of Clinical Medicine
J. JAMES SMITH, Associate Professor of Clinical Medicine
HAROLD J. STEWART, Associate Professor of Medicine
ALPHONSE E. TIMPANELLI, Associate Professor of Clinical Medicine
EDWARD TOLSTOI, Associate Professor of Clinical Medicine
RALPH TOMPSETT, Associate Professor of Clinical Medicine
ROBERT F. WATSON, Associate Professor of Clinical Medicine
BRUCE P. WEBSTER, Associate Professor of Clinical Medicine
CHARLES H. WHEELER, Associate Professor of Clinical Medicine
BYARD WILLIAMS, Associate Professor of Clinical Medicine
SILVIO BAEZ, Assistant Professor of Medicine
CURTIS H. BAYLOR, Assistant Professor of Clinical Medicine
RICHARD S. BENUA, Assistant Professor of Medicine
LOUIS BERLIN, Assistant Professor of Clinical Medicine (Neurology)
KEEVE BRODMAN, Assistant Professor of Clinical Medicine
JACOB BUCKSTEIN, Assistant Professor of Clinical Medicine

*On leave of absence.

KATHARINE BUTLER, Assistant Professor of Clinical Medicine
 HENRY A. CARR, Assistant Professor of Clinical Medicine
 AARON D. CHAVES, Assistant Professor of Clinical Medicine
 EUGENE J. COHEN, Assistant Professor of Clinical Medicine
 HARVEY S. COLLINS, Assistant Professor of Medicine
 PETER G. DENKER, Assistant Professor of Clinical Medicine (Neurology)
 HENRY D. DIAMOND, Assistant Professor of Clinical Medicine
 JOHN W. DOUGHERTY, Assistant Professor of Clinical Medicine (Dermatology)
 MURRAY DWORETZKY, Assistant Professor of Clinical Medicine
 WILLIAM J. EISENMENGER, Assistant Professor of Clinical Medicine
 RALPH L. ENGLE, JR., Assistant Professor of Medicine
 ALBERT J. ERDMANN, JR., Assistant Professor of Clinical Medicine
 JOHN T. FARRAR, Assistant Professor of Clinical Medicine
 AARON FEDER, Assistant Professor of Clinical Medicine
 JOHN A. FINKBEINER, Assistant Professor of Clinical Medicine
 WILLIAM T. FOLEY, Assistant Professor of Clinical Medicine
 CONSTANCE FRIESS, Assistant Professor of Clinical Medicine
 SIDNEY M. GREENBERG, Assistant Professor of Clinical Medicine
 SUSAN J. HADLEY, Assistant Professor of Clinical Medicine
 LEON D. HELLMAN, Assistant Professor of Medicine
 MILTON HELPERN, Assistant Professor of Clinical Medicine
 MELVIN HORWITH, Assistant Professor of Medicine
 RAYMOND W. HOUDE, Assistant Professor of Medicine
 ABRAHAM S. JACOBSON, Assistant Professor of Clinical Medicine
 WILLIAM H. KAMMERER, Assistant Professor of Clinical Medicine
 GEORGE L. KAUER, Assistant Professor of Clinical Medicine
 LEMOYNE C. KELLY, Assistant Professor of Clinical Medicine
 FREDERIC T. KIRKHAM, JR., Assistant Professor of Clinical Medicine
 HENRY B. KIRKLAND, Assistant Professor of Clinical Medicine
 GERALD H. KLINGON, Assistant Professor of Clinical Medicine
 MARGARET M. KLUMPP, Assistant Professor of Clinical Medicine*
 HENRY J. KOCH, JR., Assistant Professor of Medicine
 HERBERT KOTEEN, Assistant Professor of Clinical Medicine
 JOHN S. LADUE, Assistant Professor of Clinical Medicine
 MICHAEL LAKE, Assistant Professor of Clinical Medicine
 RICHARD E. LEE, Assistant Professor of Clinical Medicine
 LEON I. LEVINE, Assistant Professor of Clinical Medicine*
 SOL S. LICHTMAN, Assistant Professor of Clinical Medicine
 ROBERT M. LINTZ, Assistant Professor of Clinical Medicine
 MACK LIPKIN, Assistant Professor of Clinical Medicine
 EDWARD J. LORENZE, III, Assistant Professor of Clinical Medicine (Physical
 Medicine)
 DANIEL S. LUKAS, Assistant Professor of Medicine
 KIRBY A. MARTIN, Assistant Professor of Clinical Medicine
 ABRAHAM MAZUR, Assistant Professor of Biochemistry in Medicine
 A. PARKS MCOMBS, Assistant Professor of Clinical Medicine
 RICHARD R. McCORMACK, Assistant Professor of Clinical Medicine
 FLETCHER H. McDOWELL, Assistant Professor of Medicine (Neurology)
 ROBERT H. MELCHIONNA, Assistant Professor of Clinical Medicine
 M. LOIS MURPHY, Assistant Professor of Medicine
 W. P. LAIRD MYERS, Assistant Professor of Medicine
 MARY ANN PAYNE, Assistant Professor of Clinical Medicine
 NORMAN PLUMMER, Assistant Professor of Clinical Medicine
 J. WILLIAM POPPELL, Assistant Professor of Medicine

*On leave of absence.

EDGAR A. RILEY, Assistant Professor of Clinical Medicine
 KATHLEEN E. ROBERTS, Assistant Professor of Medicine
 THOMAS N. ROBERTS, Assistant Professor of Clinical Medicine
 ALBERT L. RUBIN, Assistant Professor of Medicine
 MARVIN H. SLEISINGER, Assistant Professor of Clinical Medicine
 MARTIN SONENBERG, Assistant Professor of Medicine
 CHESTER M. SOUTHAM, Assistant Professor of Medicine
 ISRAEL STEINBERG, Assistant Professor of Clinical Medicine
 WILLIAM D. STUBENBORD, Assistant Professor of Clinical Medicine
 ALBERT J. STUNKARD, Assistant Professor of Medicine
 ARTHUR M. SUTHERLAND, Assistant Professor of Clinical Medicine
 DOUGLAS P. TORRE, Assistant Professor of Clinical Medicine (Dermatology)
 CORNELIUS H. TRAEGER, Assistant Professor of Clinical Medicine
 PARKER VANAMEE, Assistant Professor of Medicine
 CHARLES D. WEST, Assistant Professor of Medicine
 FELIX WROBLEWSKI, Assistant Professor of Clinical Medicine

Research Associates: Beatrice Berle, Rose-Ruth Ellison, Saul Green, Leonard Hamilton, Attallah Kappas, Irwin Krakoff, Gordon Magill, Hans Oppenheimer, Adelle L. Roginsky, Erwin Sheppard, Eric J. Simon, Marguerite Sykes, Irwin M. Weinstock

Instructors: Seymour Advocate, Abraham A. Antoville, George C. Armistead, Jr., Sam C. Atkinson, Charles A. Bailey, Lloyd T. Barnes, Jeremiah A. Barondess, David V. Becker, Ruth P. Berkeley, Carl A. Berntsen, Aaron W. Bortin, Warren S. Braveman, Samuel H. Brethwaite, Veronica C. Brown, Edward A. Burkhardt, Foo Chu, Jean A. Cramer, Jeff Davis, Marion Davis, Richard L. Dexter, Monroe T. Diamond, Carolyn H. Diehl, Lisgar B. Eckardt, Robert E. Eckardt, George C. Escher, Emil A. Falk, Lawrence Farmer, John T. Flynn, William Geller, John M. Gibbons, Francis J. Gilroy, Elsie A. Giorgi, David Goebel, Oscar E. Goldstein, Keith O. Guthrie, Jr., Thomas C. Guthrie, Louis A. Hauser, Leonard L. Heimoff, Herman G. Helpern, Eugene L. Horger, Robert D. Huebner, Leif Y. Jacobsen, Lawrence I. Kaplan, J. Harry Katz, Henn Kutt, Harold L. Leder, Dorothea Lemcke, Marjorie Lewisohn, Jerrold S. Lieberman, Mortimer Lipsett, Norton M. Luger, Herbert L. Martin, Ellen McDevitt, Neva Eileen McGrath, Alan Mermann, Raymond E. Miller, L. Mary Moench, David W. Molander, Willis A. Murphy, Dewey A. Nelson, Warren P. Nestler, Irwin Nydick, Avrum S. Organick, Thomas C. Parsons, Marjorie B. Patterson, George E. Peabody, Francis S. Perrone, Aurelia Potor, R. A. Rees Pritchett, Milton Reisch, Sanford M. Reiss, Charles H. Ressler, Alan S. Robinson, Peter Rogatz, Bernard Rogoff, Julius L. Rogoff, David M. Roseman, Emmanuel Rudd, Theresa Scanlan, Leonard Schuyler, Kuno C. Schwarz, Arthur W. Seligmann, Charles Sheard, Edward M. Shepard, Harry A. Sinclair, John R. Smith, Lawrence S. Sonkin, Aaron D. Spielman, Herman Steinberg, Carl R. Stevenson, Robert D. Sullivan, Katharine W. Swift, Charlotte T. C. Tan, Maurice Tulin, Marian Tyndall, Frederick E. G. Valergakis, Louis J. Vorhaus, II, Harold R. Wainerdi, Milton A. Wald, Lila A. Wallis, Clinton G. Weiman, Aaron O. Wells, Charles A. Werner, Erwin A. Werner, Harold N. Willard, Alexander W. Young, Jr., Seymour Zucker

Research Fellows: Marvin Borenstein, Jaime Borrero, J. Robert Buchanan, Stefan A. Carter, Loring Chapman, Denton S. Cox, George W. Frimpter, Helen Goodell, Mary E. Hopper, Thomas Killip, III, Charles M. Lewis, Martin Lipkin, James H. Pert, Peter Stokes, Dorothy W. Sved, Hertha H. Taussky, Annie M. Theron, Vincent A. Toscani, Victor Vertes, Marilyn S. Wells

Assistants in Medicine: Joseph B. Alpers, Lucien I. Arditi, Barbara Bates, John Lyman Brown, Jr., Leo Cardillo, Bayard D. Clarkson, Burton D. Cohen, Roger M. Des Prez, William F. Eckardt, Jr., Henry R. Erle, Ronald Fieve, Lloyd Fisher, Edwin Jacobs, Benno Janssen, O. Dhodanand Kowlessar, David H. Law, Allen W.

Mead, Artemis G. Pazianos, Thomas G. Pennington, Ann S. Peterson, Jack Richard, Nelson G. Richards, Richard T. Silver, Gerald M. Silverman, Norton Spritz, Jean Steadman, James C. Strickler, Burton L. Travis, Munsey S. Wheby, Ralph C. Williams, Edward A. Wolfson, Edward L. Worthington

Lecturers: Ignaz W. Oljenick (Neurology), Robert L. Yeager (Tuberculosis)

Students begin their course in medicine in the second term of the second year with physical diagnosis. They are introduced to this subject in the second term (two afternoons a week) by means of lectures, demonstrations, and practical work on normal subjects and patients. In the third term they spend two mornings a week with the patients either in the pavilions of the New York Hospital or on the wards of Bellevue, Memorial, or Lincoln Hospital.

An introductory course in neurologic diagnostic methods is given under the direction of Dr. Wolff in the third term of the second year. The work consists of demonstrations and intensive training in the discipline of neurological examination. The students in groups of three are assigned to an instructor on the neurology service of Bellevue Hospital. This work coincides in time with the other training in physical diagnosis.

An introductory required course in clinical pathology is given in the third term of the second year, under the direction of Dr. Kellner. It consists of lectures and laboratory work. Among the topics discussed are the theory, practice, and application of methods for the examination of urine, blood, sputum, exudates, transudates, spinal fluid, gastric contents, and feces. The methods studied include chemical, morphological, serological, and animal inoculation methods which are of value as diagnostic procedures. Discussion of the clinical signification of findings is included. In addition, certain allergic phenomena are presented in lecture and demonstration, and their clinical relationship is discussed.

In each of the terms of the third year, one third of the class act as clinical clerks in medicine. Their time is divided equally between the New York Hospital under the supervision of Dr. Barr, Dr. Wolff, and Dr. Engle, and Bellevue Hospital under the direction of Dr. Almy. The medical wards of the New York Hospital comprise five public pavilions totaling 126 beds. Those at Bellevue have approximately 100 teaching beds. The service includes patients with diseases of the nervous system and of the skin. These are under the care of subdepartments which are organized for teaching and clinical research as well as the management of patients. They are, therefore, analogous to independent departments of dermatology and neurology as seen in other hospitals. An active pulmonary service is functioning in close cooperation with the surgical service and pediatric service. Beds on the fourth floor at the New York Hospital are used for the study and treatment of infectious diseases, including tuberculosis, the exanthemata, and syphilis. There is close cooperation with the department of psychiatry in the

study of the neuroses and early manifestations of psychoses found in the wards and dispensary.

The backbone of the student's training as a clinical clerk is believed to be his own experience with patients as amplified by reading and by contact with members of the hospital and teaching staff. He is given as much responsibility as is practical, namely, the recording, in the hospital records, of his own histories and laboratory examinations. These, together with his physical examinations, are supervised by tutors, each of whom has responsibility for the supervision of a small group of students. Additional teaching consists of rounds with the visiting and house staff and more formal conferences once a week in which the clerks present cases for criticism and discussion. In these it is attempted to cover the more important fields of internal medicine. The work of the clerkships is supplemented by frequent clinical conferences which are held throughout the academic year. During the clinical clerkship the students receive further training in the evaluation of signs and symptoms of disease of the nervous system. Two teaching visits a week at the New York Hospital are dedicated to neurological problems. This work supplements that of the second year by placing special emphasis upon etiology and therapeutics in diseases of the nervous system.

The instruction of the senior students is conducted in the outpatient department with the intent of offering experience in general medicine, neurology, dermatology, and other medical specialties. Other departments of the clinic such as physiotherapy and dietotherapy provide demonstrations. Practical work with patients is supplemented by seminars, demonstrations, and conferences and by presentation of subjects by the students.

This course for seniors has been fused with the Medical Comprehensive Care and Teaching Program, description of which will be found below.

Clinical-pathology conferences organized by the department of pathology in conjunction with the clinical departments occur weekly throughout the year.

ELECTIVE COURSES

CARDIOVASCULAR-RENAL DISEASE (at Bellevue Hospital)... Dr. Rubin and others. For a period of two months. Maximum registration, two students. The work will consist of following patients with cardiac problems and disturbances of acid-base balance, reading electrocardiograms, and participation in investigative projects.

ENDOCRINOLOGY AND METABOLISM... For periods of two months. Maximum registration, two students. The work will consist

of assignments to diabetic clinic, endocrine clinic, and metabolism ward, and participation in applicable laboratory methods.

NEUROLOGY...Dr. Harold G. Wolff and staff. For periods of one month or two months. Maximum registration, three students. For the shorter period, the work will include participation in clinical activities, on the neurological outpatient department and ward. For the longer period, it will include also participation in investigative problems.

CARDIOLOGY...Dr. Harold J. Stewart and staff. For period of two months. Maximum registration, one student. The work will consist of participation in the cardiac clinic and wards, and the reading of electrocardiograms, and assignments to research problems.

HEMATOLOGY...Dr. Paul Reznikoff and staff. For periods of one month or two months. Maximum registration, two students. The work will include participation in clinical activities in the outpatient department, ward, and hematology laboratory, together with possible assignment to investigate problems.

NEUROANATOMY...This course given by Dr. Louis Hausman will cover the development and anatomy of the nervous system and laboratory work on the reconstruction of the nervous system. Each student makes his own model. The anatomical background of the diseases of the nervous system is considered. Hours to be arranged with the instructor.

FORENSIC MEDICINE...

(a) *A series of 15 lectures* given by Dr Milton Helpern. The subject matter is illustrated with material derived from cases investigated by the office of the Chief Medical Examiner of the Borough of Manhattan.

This course covers the following topics: the obligations and rights of physicians; relations of the physician to government agencies; functions of the office of medical examiner and of coroner; investigation and determination of the cause of sudden, suspicious, and violent deaths; the medicolegal necropsy; identification, signs of death, changes in the body after death; sudden natural death; relationship of disease and trauma; suicidal, accidental, and homicidal violent deaths; blunt force injuries, stab and bullet wounds, traumatic asphyxia, rape, abortion, infanticide; toxicology, especially the indications of poisoning and the selection of organs for chemical analysis; examination of blood stains, seminal stains, and hair, forensic application of blood grouping; occupational injuries and diseases.

Tuesday afternoon, 5-6 p.m.

(b) *Practical course*. An opportunity will be given to learn the circumstances surrounding and to observe at first hand the autopsy findings in numerous and varied cases of sudden, unexpected, suspicious, and violent deaths which are continuously being brought to the atten-

tion of the Office of the Chief Medical Examiner of the Borough of Manhattan for investigation.

Course to be given at the City Mortuary, 400 East 29th Street.

Applicants should arrange their time with Dr. Helpern.

OTHER ELECTIVES...

Other special electives may be arranged through conference with the head of the department.

MEDICAL COMPREHENSIVE CARE AND TEACHING PROGRAM

The course in comprehensive medicine occupies the major attention of half the senior class during each of the two semesters of the fourth year. It is designed to be a synthesis of the many disciplines to which the medical student has been exposed and, as such, may be considered a laboratory course in patient care.

Both the Medical and Pediatric Clinics have been designated as Comprehensive Care Clinics in which, through the use of consultants, the diagnosis and treatment of patients is carried out with minimal referral to other clinics. In this exercise senior students play a responsible and functioning role. Each student is assigned to new patients visiting the Comprehensive Care Clinic and, in addition, to especially selected family care patients for whom he serves as a family physician. He sees the adult members of the family in the general medical clinic and the children in the general pediatric clinic by appointment. Under appropriate circumstances, the student may make supervised house calls on his patients to diagnose and treat illness.

Social factors in patient care are emphasized through participation of the staff of the New York Hospital social service department. One social worker has been appointed to coordinate the activities of this staff, as well as the services provided by community agencies. Similarly, a public health nurse coordinates nursing activities in the program.

Teaching of preventive medicine is the responsibility of a physician representing the department of public health and preventive medicine.

Emotional aspects of disease are stressed through the participation of a selected group of psychiatrists from the department of psychiatry. Also, a member of the department of medicine participates in teaching the psychosomatic aspects of illness.

A representative of the department of surgery and one from the department of obstetrics and gynecology provide appropriate consultation services in their specialties to the Comprehensive Care Clinics.

Part-time electives in medical and pediatric subspecialties, psychiatry, and preventive medicine are offered each student in addition to the regular clinic work.

Dr. George G. Reader is in over-all charge of the program and is assisted by three assistant directors, two from the department of medicine together with the staff of the medical outpatient department, and one from the department of pediatrics together with the staff of the pediatric outpatient department.

MICROBIOLOGY AND IMMUNOLOGY

JAMES M. NEILL, Professor of Microbiology and Immunology

JOHN Y. SUGG, Associate Professor of Microbiology and Immunology

_____, Assistant Professor of Microbiology and Immunology

DOROTHY S. GENGHOF, Assistant Professor of Microbiology and Immunology

Instructor: _____

Lecturers: Irving Abrahams, Alvin Hollander

The course is given in the third term of the first year and in the first term of the second year. Emphasis is placed upon the aspects of microbiology and immunology that are pertinent to an understanding of the infectious diseases.

FIRST YEAR. . . The laboratory work includes a survey of representative morphological groups of pathogenic bacteria, a study of the microbial flora of the upper respiratory and lower intestinal tracts of healthy persons, and experiments on the mechanisms involved in antigen-antibody reactions. The lectures are directed toward the establishment of general concepts, particularly the principles involved in microbial growth, the principles underlying active immunization, and the factors that enter into host-parasite relationships.

Lectures and laboratory: 55 hours.

SECOND YEAR. . . In this term a more intensive study is made of the agents of specific infections, including fungi, spirochetes, rickettsiae, and viruses, as well as bacteria. General concepts introduced in the first term are further developed by applying them to the specific diseases. Laboratory work with material from patients is included to illustrate the application of fundamental principles to practical problems. The action of chemotherapeutic agents, especially those of microbial origin, are considered.

Lectures, laboratory, and conference: 99 hours.

ELECTIVE COURSES. . . The department will arrange a schedule of work for fourth year students who wish to devote their elective time to microbiology and immunology.

OBSTETRICS AND GYNECOLOGY

R. GORDON DOUGLAS, Professor of Obstetrics and Gynecology (*Chairman*)

JOSEPH F. ARTUSIO, JR., Associate Professor of Obstetrics and Gynecology
(Anesthesiology)

ROY W. BONSNES, Associate Professor of Biochemistry in Obstetrics and Gynecology

EDWARD H. DENNEN, Associate Professor of Clinical Obstetrics and Gynecology

RALPH W. GAUSE, Associate Professor of Clinical Obstetrics and Gynecology

RANDOLPH GEFFERT, Associate Professor of Clinical Obstetrics and Gynecology

CARL T. JAVERT, Associate Professor of Clinical Obstetrics and Gynecology

CHARLES M. McLANE, Associate Professor of Clinical Obstetrics and Gynecology

JOSEPH N. NATHANSON, Associate Professor of Clinical Obstetrics and Gynecology

NELSON B. SACKETT, Associate Professor of Clinical Obstetrics and Gynecology

FRANK R. SMITH, Associate Professor of Clinical Obstetrics and Gynecology

THOMAS L. BALL, Assistant Professor of Clinical Obstetrics and Gynecology

JUSTIN T. CALLAHAN, Assistant Professor of Clinical Obstetrics and Gynecology

JOHN T. COLE, Assistant Professor of Clinical Obstetrics and Gynecology

ROBERT L. GRAIG, Assistant Professor of Clinical Obstetrics and Gynecology

WILLIAM F. FINN, Assistant Professor of Clinical Obstetrics and Gynecology

WILLIAM P. GIVEN, Assistant Professor of Clinical Obstetrics and Gynecology

OSCAR GLASSMAN, Assistant Professor of Clinical Obstetrics and Gynecology

ARTHUR V. GREELEY, Assistant Professor of Clinical Obstetrics and Gynecology

DONALD G. JOHNSON, Assistant Professor of Clinical Obstetrics and Gynecology

ANN P. KENT, Assistant Professor of Clinical Obstetrics and Gynecology

ELMER E. KRAMER, Assistant Professor of Clinical Obstetrics and Gynecology

ROBERT LANDESMAN, Assistant Professor of Clinical Obstetrics and Gynecology

BENJAMIN E. MARBURY, Assistant Professor of Clinical Obstetrics and Gynecology

(Anesthesiology)

CURTIS L. MENDELSON, Assistant Professor of Clinical Obstetrics and Gynecology

GEORGE SCHAEFER, Assistant Professor of Clinical Obstetrics and Gynecology

E. FLETCHER SMITH, Assistant Professor of Clinical Obstetrics and Gynecology

CHARLES T. SNYDER, Assistant Professor of Clinical Obstetrics and Gynecology

Research Assistants: Elaine Grimm, Ph.D., Mary Christian Hill, M.S.

Instructors in Obstetrics and Gynecology: Hugh R. K. Barber, Naef K. Basile, Charles H. Bippart, Stanley J. Birnbaum, Perry S. Boynton, Jr., Myron I. Buchman, David B. Crawford, Jr., E. William Davis, Jr., Thomas F. Dillon, Holden K. Farrar, Hugh Halsey, II, Graham G. Hawks, John R. Langstadt, William D. McLarn, Francis X. Moffitt, Virginia K. Pierce, Richard A. Ruskin, Edward F. Stanton, William J. Sweeney, John S. Van Mater, Robert M. Wagner, Virginia Werden.

Assistants in Obstetrics and Gynecology: Ronald Allen, Robert Ayerst, Kenneth Baldwin, Bennett Barton, Charles A. De Prose, Walter Freedman, Edward C. Mann, James P. McNeil, Jr., M. A. Platt, Jay B. Skelton, Edmund Stapleford, Robert Wieche, Herbert A. Zaccheo

The Lying-In Hospital, a division of the New York Hospital, provides 116 pavilion beds for teaching purposes in obstetrics and gynecology. In addition, the private service consists of a total of 91 beds. Students are given practical instruction in the out-patient department clinics of both obstetrics and gynecology and in the various special clinics operated for the more intensive study and care of patients with unusual problems. The students are provided every opportunity to benefit from the clinical work as carried on and demonstrated on the wards and in the operating and delivery rooms.

There are approximately 5,000 adult admissions to the obstetrical service and over 2,000 to the gynecological service each year.

SECOND YEAR

ORIENTATION AND INTRODUCTION TO PHYSICAL DIAGNOSIS... During the last trimester of the second year a two-hour seminar on orientation in the discipline with a subsequent two-hour session on physical diagnosis, including instruction in pelvic examination. Given to 7-8 students twice weekly. 4 hours. Professors Given, Johnson, and Douglas.

THIRD YEAR

COURSE I. THE THEORY AND PRINCIPLES OF OBSTETRICS AND GYNECOLOGY... The content of this course consists of lectures and demonstrations covering the anatomy and physiology of the female reproductive system; the physiology and pathology of pregnancy, labor, and puerperium; and the etiology, pathology, and diagnosis of the diseases of the pelvic structures.

The entire class meets for these sessions on Tuesdays and Saturdays 12-1 p.m. throughout the year. Professors Douglas, Javert, McLane, Kramer, Frank Smith, Given, Johnson, Ball, Gause, and staff. Total hours, 66.

COURSE II. PRACTICAL INSTRUCTION... This work is given to one-sixth of the class for periods of one-half of a trimester ($5\frac{1}{2}$ weeks) on Tuesdays and Thursdays 9-11 a.m. The course deals especially with physical diagnosis in both obstetrical and gynecological patients, and manikin exercises. Professors Douglas, Dennen, Kramer, and staff.

COURSE III. SEMINAR... This course is conducted on an informal basis, and active student participation is encouraged. The subject matter pertains largely to obstetrical complications of pregnancy and labor. Tuesdays and Thursdays 11-12 a.m. Professors Given, Johnson, and staff.

COURSE IV. PRACTICAL DEMONSTRATION... This course comprises instruction in obstetrical and gynecological bacteriology and pathology. A considerable amount of this time is devoted to the study of pelvic neoplasms. Approximately two-thirds of the course is given in the pathology laboratory. Mondays 9-12 a.m. for one trimester. Professors Javert, Kramer, Burnett, Snyder, and staff. Total hours, 66 for Courses II, III, and IV.

FOURTH YEAR

MAJOR PRACTICAL OBSTETRICS AND GYNECOLOGY... This course comprises practical work in obstetrics and gynecology and is the sequel to the theoretical instruction offered to the third year students. Each student will live in the Lying-In Hospital for a period of $7\frac{1}{2}$ weeks

during which time he will act as a clinical assistant in the obstetrical and gynecological department, including activities in the hospital wards, delivery and operating rooms, and clinics. He will be provided with sleeping accommodations but not with board. The student is expected to participate in all departmental teaching functions. Daily rounds are held on each floor to keep him informed on all activities in addition to his assigned patients.

The practical work includes the prenatal care of many patients, attending them in labor and delivery as well as following them throughout the course of the puerperium. Facilities are also provided for the student to examine gynecological patients and to observe these patients through diagnostic and therapeutic procedures.

Because of the nature of the service, night and week-end work is required. Minimum hours allotted to the course, 264.

DEPARTMENTAL STAFF CONFERENCE AND ROUNDS... A weekly staff conference is held on Mondays from 2 to 4 p.m. and rounds on Fridays from 11 a.m. to 1 p.m. Symposia and instructive case reports with student participation will be presented. Professor Douglas and staff.

LABOR AND DELIVERY FLOOR TEACHING... Four or five students are assigned to this area for one-third of their departmental time. In addition to continuous supervision and individual instruction a special teaching conference is held each morning 8-9 a.m. Professor Nathanson and staff.

OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY... Representative pathological material with a brief clinical history and microscopic projection will be presented each Wednesday from 5 to 6 p.m. Professors Javert, Kramer, and staff.

ELECTIVE COURSES

PRACTICAL OBSTETRICS AND GYNECOLOGY... A limited number of students will be accepted to serve as assistants in different clinics.

Courses can be arranged in the chemical, bacteriological and pathological laboratories for the study of specific research problems. The special clinics provide teaching facilities and opportunities for clinical investigation in neoplastic disease, endocrinology, heart disease, X-ray pelvimetry, infertility, and other fields. The various rounds and staff conferences can be attended.

Encouragement is given for original work according to the departmental facilities and the student's capabilities and in general will be designed to meet the student's qualifications.

PATHOLOGY

JOHN G. KIDD, Professor of Pathology
 JOHN M. PEARCE, Professor of Pathology
 JOHN T. ELLIS, Associate Professor of Pathology
 AARON KELLNER, Associate Professor of Pathology
 GEORGE E. MURPHY, Associate Professor of Pathology
 CHARLES T. OLCOTT, Associate Professor of Pathology
 LEWIS D. STEVENSON, Associate Professor of Pathology
 F. STEPHEN VOGEL, Associate Professor of Pathology
 GOETZ W. RICHTER, Assistant Professor of Pathology
 JOHN F. SEYBOLT, Assistant Professor of Pathology

Research Associate: Lawrence Herman

Instructors: Robert L. Hirsch, Nelson D. Holmquist, Eric Pike

Assistants: Henry A. Azar, Gleb N. Budzilovich, Michel N. Haddad, Shirley L. Kauffman, Soon Eung Kim, Charlotte M. Street, Stanley K. Wong.

Lecturers: Arthur S. Carlson, Paul F. de Gara, Jules Freund, Milton Helpern, Theodore Robertson

GENERAL PATHOLOGY

FACILITIES....The department of pathology occupies three floors of the central part of the College building, conveniently located above the library and in immediate contact with the Hospital, the autopsy room being in the connecting wing between College and Hospital. The teaching is largely concentrated on the third floor, where the autopsy room, demonstration room for pathological anatomy, anatomical museum, and classrooms are found. The fourth and fifth floors are chiefly unit laboratories for staff members and graduate students and for technical preparation. In addition, animal quarters and facilities for experimental work are on the fifth, sixth, and seventh floors.

The museum contains a carefully selected collection of specimens, representing most of the common and many of the more unusual pathological lesions. It is especially rich in lesions of bones and in tumors. In addition to this mounted collection, there is available a very considerable amount of constantly changing gross material for student study.

The postmortem service of the New York Hospital affords abundant opportunity for study of pathological anatomy and its relation to clinical medicine. The systematic records of autopsies performed at the New York Hospital have been preserved since 1851, and in recent years protocols and microscopic slides have been carefully indexed and filed.

INSTRUCTION....The course of instruction is given in the second and third terms of the second year. Gross and histological lesions are studied, and their pathogenesis and correlation with disturbed function are considered. Lectures and classroom demonstrations are supplemented by studies at the autopsy table. The course begins with the degenerations, inflammation, and repair and proceeds with the various

specific infections and tumors. The latter part of the course is devoted to special systemic pathology including an introduction to neuropathology.

GENERAL AND SPECIAL PATHOLOGY... Required in the second and third terms of the second year.

Professor Kidd and staff. 275 hours.

NEUROPATHOLOGY... The pathology of the nervous system is studied, and altered structure and function are correlated.

Professors Stevenson and Vogel. 33 hours.

CLINICAL PATHOLOGICAL CONFERENCES... These conferences are held in cooperation with the staffs of the clinical departments of the Hospital and Medical College each week throughout the year. Observations concerning the clinical course and diagnosis of diseases are correlated with changes found at autopsy.

CYTOLOGIC DIAGNOSIS OF CANCER... This course, given in the Papanicolaou Cytology Laboratory, consists of training in the technique and interpretation of smears prepared from various body fluids, with lectures, discussions, and laboratory work. It is designed for qualified physicians and laboratory workers. One course of three months will be given this year, beginning in March. The fee for the course, including tuition, matriculation, and administration charges, is \$300. The size of the classes is limited to 15 persons. Inquiries may be directed to Dr. John F. Seybolt, Cornell University Medical College, 1300 York Avenue, New York 21, N.Y.

ELECTIVE COURSES

A student may undertake the investigation of some problem in pathology or may pursue advanced courses in any of several fields to be determined by consultation with the head of the departments. Research or elective courses will ordinarily require the entire time of the student for a period of one to three months and may be continued into the summer.

PEDIATRICS

SAMUEL Z. LEVINE, Professor of Pediatrics (*Chairman*)

CARL H. SMITH, Professor of Clinical Pediatrics

MAY G. WILSON, Professor of Clinical Pediatrics

ARTHUR F. ANDERSON, Associate Professor of Clinical Pediatrics

LEONA BAUMGARTNER, Associate Professor of Clinical Pediatrics

MARGARET DANN, Associate Professor of Pediatrics

HAROLD W. K. DARGEON, Associate Professor of Clinical Pediatrics

HELEN HARRINGTON, Associate Professor of Clinical Pediatrics

MILTON I. LEVINE, Associate Professor of Clinical Pediatrics

HAROLD B. ADAMS, Assistant Professor of Clinical Pediatrics

SAMUEL R. BERENBERG, Assistant Professor of Clinical Pediatrics

OTTO E. BILLO, Assistant Professor of Clinical Pediatrics
 MURRAY DAVIDSON, Assistant Professor of Clinical Pediatrics
 PAUL F. DE GARA, Assistant Professor of Clinical Pediatrics in Allergy
 SAMUEL W. DOOLEY, Assistant Professor of Clinical Pediatrics
 ROBERT O. DuBOIS, Assistant Professor of Clinical Pediatrics
 HEINZ F. EICHENWALD, Assistant Professor of Pediatrics
 HELENE ELIASBERG, Assistant Professor of Clinical Pediatrics
 MARY ALLEN ENGLE, Assistant Professor of Pediatrics
 NATHAN EPSTEIN, Assistant Professor of Clinical Pediatrics
 BARBARA FISH, Assistant Professor of Clinical Pediatrics
 JOHN E. FRANKLIN, Assistant Professor of Clinical Pediatrics
 MARTIN J. GLYNN, Assistant Professor of Clinical Pediatrics
 HENRY P. GOLDBERG, Assistant Professor of Clinical Pediatrics
 JAMES Q. HARALAMBIE, Assistant Professor of Clinical Pediatrics
 FREDERICK C. HUNT, Assistant Professor of Clinical Pediatrics
 EDMUND N. JOYNER, III, Assistant Professor of Clinical Pediatrics
 HEDWIG KOENIG, Assistant Professor of Clinical Pediatrics
 BARBARA M. KORSCH, Assistant Professor of Pediatrics
 NORMAN KRETCHMER, Assistant Professor of Pediatrics
 CHARLES H. O'REGAN, Assistant Professor of Clinical Pediatrics
 IRVING SCHULMAN, Assistant Professor of Pediatrics
 MAXWELL STILLERMAN, Assistant Professor of Clinical Pediatrics
 KENNETH K. TSUBOI, Assistant Professor of Biochemistry in Pediatrics
 LOUIS E. WEYMULLER, Assistant Professor of Clinical Pediatrics
 MARJORIE A. WHEATLEY, Assistant Professor of Clinical Pediatrics
 STANLEY S. ZIPSER, Assistant Professor of Clinical Pediatrics

Research Associates: Joan Havel, Helen McNamara

Instructors: Barbara S. Ashe, David H. Baker, Jean T. Beasley, George S. Berg, Walter T. Carpenter, Jr., Ruth Cudmore, Joseph H. DiLeo, Marion E. Erlandson, Marvin J. Gersh, Helen N. Helper, Martin J. Kaplan, Edward Kearney, Phyllis H. Koteen, Margaret M. Kugler, Florence N. Marshall, Robert G. McGovern, Marion McIlveen, Joan E. Morgenthau, Madoka Shibuya, Beatrice S. Slater, Martha L. Smith, Gertrude S. Stern, Alvah M. Weiss, Doris S. Whitney, Natalie Yarow

Fellows: Charles H. Bauer, Angela A. Bennett, Ann McA. Birch, Leon I. Charash, Zinet Currimbhoy, Diane B. Gareen, Margaret T. Grossi, Tomiko Ito, Wan Ngo Lim, Melville G. Magida, Julian B. Schorr, Franklin H. Streitfeld, Hilka Inkeri Tahka, Virginia D. Weeks

Assistants: Richard R. Bass, June M. Cardullo, Marion N. Chall, Hope Craig, George S. Harris, Ingeborg Hoffman, Audrey J. Jongbloed, Armond V. Mascia, Virginia Mitty, Tom D. Moore, Rebecca F. Notterman, Maria I. New, Virginia E. Pomeranz, James E. Sheehan, Jane E. Wellemeyer, Kenneth O. Williams

Research Assistant: Elizabeth V. New

THIRD YEAR. . . A clinical lecture once a week throughout the entire school year presents the subjects of normal growth and development in infants and children, principles of nutrition with their application to infant feeding, and patients illustrating the peculiarities of disease in early life. Students serve as clinical clerks in pediatrics for a period of five and one-half weeks on the pavilions of the New York Hospital. They are assigned new cases in rotation and gain experience in diagnosis and in the management of sick children requiring hospital residence. They are on duty in rotation at night and week ends. The

work of the clinical clerkship includes attendance at cardiac clinics and at departmental conferences. Special rounds and seminars are arranged for the benefit of the clerks. Instruction in contagious disease is given both at The New York Hospital and the Bronx Municipal Hospital. Total hours, 165.

FOURTH YEAR... The clinical lectures are continued through part of the fourth year. They are closely integrated with the fourth year lectures in internal medicine. Many of the students' activities are a part of the Comprehensive Care and Teaching Program (see page 64). Students are assigned to the outpatient department in the mornings where they are given supervised responsibility for the management of ambulatory pediatric patients. They take histories, make physical examinations, and prescribe treatment. A daily therapeutic conference supplements the clinical work. A series of seminars is held under the supervision of senior staff members. Emphasis is placed on the handling of psychosomatic problems and on measures which can be taken to promote proper growth and development. Students are given the opportunity for longitudinal follow-up on individual patients so as to become familiar with normal growth and development of infants and children and the natural history of disease processes. Home visits and trips to inspect community resources are planned in relation to patient referrals to furnish students with understanding of home and community influences on the patient. Students are assigned to the well-baby clinic. Cooperation with the Department of Obstetrics makes possible contacts with mothers during the ante partum and lying-in period. Total hours, 66.

ELECTIVE COURSES... Elective courses are offered to fourth year students. These include the General Pediatric Clinics, Isolation Unit, some special Pediatric Clinics, and work in the Division of Child Development.

PHARMACOLOGY

WALTER F. RIKER, JR., Professor of Pharmacology
McKEEN CATTELL, Professor of Pharmacology
HARRY GOLD, Professor of Clinical Pharmacology
WALTER MODELL, Associate Professor of Pharmacology
JANET TRAVELL, Associate Professor of Clinical Pharmacology
SOLOMON GARB, Assistant Professor of Pharmacology
JOSEPH F. REILLY, Assistant Professor of Pharmacology
JAY ROBERTS, Assistant Professor of Pharmacology

Instructors: George A. Condouris, George G. Reader, Seymour H. Rinzler

Research Fellows: Dorothy Karp, Frank Standaert, Virginia D. Weeks

EXPERIMENTAL PHARMACOLOGY... Laboratory work, demonstrations, conferences, and lectures given during the first term of the

second year. The experiments are designed to illustrate a wide range of pharmacologic effects, the more important drugs being considered with reference to their action on different structures and their behavior in the organism. In conference, the laboratory data obtained by the class are assembled and discussed in relation to each other and to experiments reported in the literature. This course includes toxicology. 121 hours.

APPLIED PHARMACOLOGY... This course is given during the third trimester of the second year and is a continuation of the course in experimental pharmacology. It is intended to fill a gap between experimental pharmacology and the clinical use of drugs, and it deals with substances the pharmacological action of which can best be demonstrated on clinical material. It includes practice in prescription writing. Emphasis is placed on evidence bearing directly on the human subject in health and diseases. 22 hours.

ELECTIVE COURSES

CONFERENCES ON THERAPY... Weekly informal conferences on treatment arranged by the departments of pharmacology and medicine in collaboration with other departments. These serve as a forum for the exchange of views and evaluation of evidence concerning drugs and other measures used in the treatment of disease, with open discussion by students, members of the College and Hospital staff, and visitors.

RESEARCH... Arrangements are made for individuals or groups to participate in original investigations with a view to learning the methods of pharmacological research. Special opportunities are afforded for work on enzyme systems, muscle-nerve, autonomic nervous system, and the cardiovascular system.

PHYSIOLOGY AND BIOPHYSICS

ROBERT F. PITTS, Professor of Physiology
ROGER L. GREIF, Associate Professor of Physiology
ROY C. SWAN, Associate Professor of Physiology
DAVID D. THOMPSON, Associate Professor of Physiology
D. ROBERT AXELROD, Assistant Professor of Physiology
FRANK G. CARPENTER, Assistant Professor of Physiology

Instructors: Frederick Kavalier, Richard H. Kessler

Research Fellow: Rudolfo Lozano

Assistant: Martha B. MacLeod

Visiting Fellow: Antonio Clerch

FIRST YEAR... Lectures, conferences, laboratory experiments, and demonstrations. Physiology of muscle and nerve, blood, heart, circulation, digestion, the central nervous system, special senses. The labora-

tory work one full day a week includes experiments on these subjects. 110 hours.

SECOND YEAR. . . Lectures, conferences, laboratory experiments, and demonstrations. Physiology of respiration, endocrines, kidney, and metabolism. Laboratory exercises one full day a week. 121 hours.

The course of instruction in physiology is directed toward an understanding of the principles involved in the functioning of the human body and the integration of its various systems. The lectures are supplemented by references to the current literature. The department is fortunate in having housed on the fourth floor of its building the Graham Lusk Library of Physiology, a gift to the department from its late Professor Graham Lusk. This includes bound volumes of complete sets of the important physiological and biochemical literature, monographs, handbooks, and textbooks, and is being supplemented by some of the current journals and monographs. In addition to the College library, the facilities of this library are at the disposal of the students of medicine.

The laboratory work includes a number of human experiments, emphasizes mammalian physiology, and is directed toward quantitative determinations. The laboratory experiments are chosen to illustrate fundamental principles in the respective fields of physiology and are correlated with lectures by means of conferences. The demonstrations include instruction in specialized techniques, experimental preparations, and presentation of clinical cases. These are facilitated by the participation and cooperation of staff members of various departments in the Medical College and the New York Hospital.

ELECTIVE COURSES

The department will arrange a schedule of work for fourth year students who wish to devote their elective time to physiology.

COURSES OPEN TO SPECIAL STUDENTS

1. *PHYSIOLOGY*. Fee, \$100 for each term.
2. *PHYSIOLOGICAL RESEARCH*. Subject to special arrangement with head of the department.

PSYCHIATRY

OSKAR DIETHELM, Professor of Psychiatry (*Chairman*)
PHYLLIS GREENACRE, Professor of Clinical Psychiatry
MARVIN K. OPLER, Visiting Professor of Anthropology (Social Psychiatry)
LEO SROLE, Visiting Professor of Sociology (Social Psychiatry)
J. LOUISE DESPERT, Associate Professor of Clinical Psychiatry
GEORGE W. HENRY, Associate Professor of Clinical Psychiatry
LAWRENCE E. HINKLE, JR., Associate Professor of Clinical Medicine in Psychiatry

ALEXANDER H. LEIGHTON, Associate Professor of Clinical Psychiatry
 JAMES H. WALL, Associate Professor of Clinical Psychiatry
 LIVINGSTON WELCH, Associate Professor of Psychology in Psychiatry
 HAROLD G. WOLFF, Associate Professor of Psychiatry
 HELEN E. DANIELS, Assistant Professor of Clinical Psychiatry
 ALAN W. FRASER, Assistant Professor of Clinical Psychiatry*
 FRANCIS J. HAMILTON, Assistant Professor of Clinical Psychiatry
 GERALD R. JAMELSON, Assistant Professor of Clinical Psychiatry
 SEYMOUR G. KLEBANOFF, Assistant Professor of Psychology in Psychiatry
 RICHARD N. KOHL, Assistant Professor of Psychiatry
 NORVELLE C. LAMAR, Assistant Professor of Clinical Psychiatry
 CURTIS T. PROUT, Assistant Professor of Clinical Psychiatry
 LEON L. RACKOW, Assistant Professor of Clinical Psychiatry
 PETER F. REGAN, III, Assistant Professor of Psychiatry
 JOSEPH F. REILLY, Assistant Professor of Pharmacology in Psychiatry
 FRED V. ROCKWELL, Assistant Professor of Clinical Psychiatry
 JOHN H. TRAVIS, Assistant Professor of Clinical Psychiatry

Associate: Dorothea G. Leighton

Research Associates: Harry Alpert, John H. Cumming, Margaret E. Cumming, Thomas Langner, William D. Longaker, Stanley T. Michael

Instructors: Valer Barbu, Julian I. Barish, James E. Baxter, A. Louise Brush, Eric T. Carlson, Remo R. Cerulli, Howard N. Cooper, Eleanor Crissey, G. Renee Ferguson, Barbara Fish, Frederic Flach, M. Freile-Fleetwood, Martin J. Gerson, Stephen Goodyear, Robert Hagood, Lawrence J. Hatterer, John H. Hughes, Peter T. Janulis, Francis D. Kane, Charles N. Kapotas, Walter W. Kemp, M. Dorothea Kerr, Charles A. Knehr, Marie Krisiuk, Helen P. Langner, James F. Masterson, Jr., John F. McGrath, William K. McKnight, Alan A. McLean, Bradford G. Murphey, Robert E. Peck, Martha K. Reese, Peter Richter, George Rosenberg, Shirley Schaffer, Marie-Louise Schoelly, Albert C. Sherwin, Leonard R. Straub, Albert Stunkard, Joseph D. Sullivan, Hans Syz, William Thetford, Morton L. Wadsworth, William H. Wainwright, Nathaniel Warner, Joseph L. Wielawski, Walter D. Woodward

Assistants: Arthur A. Anderson, Stuart Ashman, Clifford E. Backup, Donald D. Boudreau, Ernest Cohen, Kenneth Crounse, Lois de Alvarado, Evelyn Fisher, Claude E. Fuentes, Philip S. Herbert, Jr., Ludwig Laufer, Bernard M. Malloy, Edward C. Mann, Leonard Moss, Donald E. Schultz, Thomas H. Smith, Kenneth F. Tucker

The department of psychiatry offers instruction during each of the four years. The understanding of development of the normal personality forms a necessary basis for future clinical training. A course in psychopathology in the second year orients the student in personality disorders and in the methods of their examination and study. In the third year, this preliminary training is utilized in the study of patients at the Payne Whitney Psychiatric Clinic and on the pavilions of the New York Hospital. In the psychiatric outpatient department, during the fourth year, the student participates in the study and treatment of the diverse problems presenting themselves in general psychiatric practice. The importance of personality problems in general medicine is taught in the pavilions of the New York Hospital, in the Comprehensive Care and Teaching Program, and in the outpatient service of the Payne Whitney Psychiatric Clinic. Clinics are planned to unify

*On leave of absence.

these many activities and to offer in addition a broad understanding of treatment and investigation.

FIRST YEAR: PERSONALITY DEVELOPMENT . . . This course acquaints the student with the development and methods of study of the normal personality. Lectures and seminars are utilized in presenting a dynamic orientation to the formation of personality from infancy through senescence. The significance of interpersonal relations is stressed, with particular emphasis on the patient-physician relationship. Psychological, physiological, and sociological factors are considered. Total hours, 22.

SECOND YEAR: PSYCHOPATHOLOGY AND METHODS OF EXAMINATION . . . The outstanding psychopathological phenomena are demonstrated and their psychodynamics studied by the students on patients in the outpatient department of the Payne Whitney Psychiatric Clinic. This course offers practical experience in interviewing and history taking and in the methods of psychiatric examination. Total hours, 33.

THIRD YEAR: CLINICAL PSYCHIATRY . . . The principles of clinical diagnosis are presented and a systematic review is given of the major reaction types and the dynamics of psychiatric disorders. In the Pavilions of the New York Hospital, patients are studied with special emphasis on the importance of psychological factors and their role in disease and health. The intricacies of the doctor-patient relationship are emphasized. Total hours, 33.

FOURTH YEAR: CLINICAL PSYCHIATRY . . . In the outpatient department of the Payne Whitney Psychiatric Clinic, the student carries out the treatment of individual patients. This course offers an opportunity to learn psychotherapy under close supervision and to understand the role of psychiatric social service and of psychological studies in the adjustment of these patients. Clinics with case presentation, with emphasis on psychiatric treatment and review of literature, are given on Wednesday from 2 to 3 o'clock. Seminars deal with the psychopathology of childhood and the management of related difficulties. Total hours, 99.

ELECTIVE WORK . . . Opportunities for elective work are provided in the in- and outpatient departments, in the laboratories of the Payne Whitney Psychiatric Clinic, and in the department of social psychiatry, with emphasis on community psychiatry and epidemiology of mental illness, and at the Westchester Division of the New York Hospital, White Plains, N.Y.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

WALSH McDERMOTT, Livingston Farrand Professor of Public Health and Preventive Medicine

LEONA BAUMGARTNER, Associate Professor of Clinical Public Health and Preventive Medicine

EDWIN D. KILBOURNE, Associate Professor of Public Health and Preventive Medicine

JOHN J. ADAIR, Assistant Professor of Social Anthropology in Public Health and Preventive Medicine

SAMUEL R. BERENBERG, Assistant Professor of Clinical Public Health and Preventive Medicine

BEATRICE B. BERLE, Assistant Professor of Clinical Public Health and Preventive Medicine

IRWIN D. J. BROSS, Assistant Professor of Public Health and Preventive Medicine (Vital Statistics)

AARON D. CHAVES, Assistant Professor of Clinical Public Health and Preventive Medicine

KURT W. DEUSCHLE, Assistant Professor of Public Health and Preventive Medicine

FRANKLIN M. FOOTE, Assistant Professor of Clinical Public Health and Preventive Medicine

AUGUST H. GROESCHEL, Assistant Professor of Public Health and Preventive Medicine

B. H. KEAN, Assistant Professor of Clinical Public Health and Preventive Medicine (Parasitology)

ANN P. KENT, Assistant Professor of Clinical Public Health and Preventive Medicine

JAMES R. MCCARROLL, Assistant Professor of Public Health and Preventive Medicine

ROBERT M. McCUNE, Assistant Professor of Public Health and Preventive Medicine

PHILIP OLLSTEIN, Assistant Professor of Clinical Public Health and Preventive Medicine

WILLIS M. WEEDEN, Assistant Professor of Clinical Public Health and Preventive Medicine

HAROLD N. WILLARD, Assistant Professor of Public Health and Preventive Medicine

SAM C. WONG, Assistant Professor of Public Health and Preventive Medicine
Research Associate: John O. Moore

Instructors: Erwin E. Benzier, Frances H. Bogatko, Thomas L. Buckey, James E. Ewing

Research Fellow: Selma M. Shultz

SECOND YEAR: PARASITOLOGY... The course in parasitology is given by Dr. B. Kean and his associates. Dr. Kean is Consultant in Tropical Disease to the New York Hospital and has had extensive field experience in the tropics. He will be able to present many actual cases of parasitic diseases which will illustrate the laboratory exercises and the lectures. The important parasites of man are considered: the mode of transmission of each parasite is studied, as well as the life cycle and intermediate hosts. Particular emphasis is placed on the clinical aspects of the varied diseases that may be produced by the parasites. Prevention

and control of human parasitic diseases are given proper consideration, and the therapy of these conditions is discussed.

Each Thursday afternoon during the first trimester of the second year. A lecture or demonstration will be presented from 2 to 3 p.m. and the laboratory exercises are then carried on from 3 to 5 p.m. Total hours, 33.

SECOND YEAR: PUBLIC HEALTH... In the second term. The instruction is scheduled for each Monday afternoon from 2 to 5 p.m. for eleven exercises. For certain exercises the class is divided into two groups of approximately 40 students each, since laboratory and field instruction can best be presented to small groups.

Each student spends four afternoons in the study of biostatistics. These exercises are concerned essentially with a discussion of methods of statistical analysis as they relate to the interpretation of medical data.

The major portion of the allotted time in the second year is spent in consideration of the relation between physicians, patients, and the community. Total hours, 33.

THIRD YEAR... The course in the third year is termed Public Health. It is divided into two parts: (A) clinics and discussions; (B) section work.

(A) The noon clinics are held every Friday throughout the year. They are devoted to consideration of the physician-patient and the physician-community relationships both in terms of particular clinical cases and broad general questions.

(B) Section work. The students are divided into groups of 12 to 14, and each group is assigned to the Kips Bay-Yorkville Health Center all day, every Friday, for a period of five to six weeks. The "section" is divided into small groups of four students. These subsections participate in the activities of the Health Center, such as child health, school health, tuberculosis control, etc. One half-day session is spent in the Strang Cancer Prevention Clinic at Memorial Hospital, one half-day is spent in rehabilitation, and one half-day with the New York State Department of Workmen's Compensation. Each student reports on his home visit with the public health nurse, and each student also makes a dietary appraisal of a family in the district. Total section work, 33 hours; total clinics, 33 hours.

FOURTH YEAR... The teaching program in the fourth year is centered in the Comprehensive Care and Teaching Program. One of the full-time members of the Department is a regular member of the teaching staff of the CCTP program and serves to coordinate the teaching activities of the other departmental members in the program.

ELECTIVE COURSES

MEDICAL PARASITOLOGY....This course is intended to supplement and extend the required work in this field. Diagnosis, life histories of parasites and their vectors, and control measures are considered with special reference to tropical medicine.

RADIOLOGY

JOHN A. EVANS, Professor of Radiology (*Chairman*)
HAROLD L. TEMPLE, Professor of Clinical Radiology
HARRY W. BURNETT, Associate Professor of Clinical Radiology
ULRICH K. HENSCKE, Associate Professor of Clinical Radiology
RALPH F. PHILLIPS, Associate Professor of Clinical Radiology
ROBERT S. SHERMAN, Associate Professor of Clinical Radiology
ISRAEL STEINBERG, Associate Professor of Clinical Radiology
CHARLES W. BREIMER, Assistant Professor of Clinical Radiology
FLORENCE CHIEN-HWA CHU, Assistant Professor of Clinical Radiology
WILLIAM DUBILIER, Jr., Assistant Professor of Radiology
NATHANIEL FINBY, Assistant Professor of Radiology
ELIZABETH F. FOCHT, Assistant Professor of Radiology (Physics)
ROBERT H. FREIBERGER, Assistant Professor of Clinical Radiology
GEORGE JASPIN, Assistant Professor of Clinical Radiology
NATHAN POKER, Assistant Professor of Radiology
STEPHEN WHITE, Assistant Professor of Clinical Radiology

Instructors: David H. Baker, David V. Becker, Alfred W. Kany, Zuheir Mujahed, Irving Schwartz, Henry M. Selby, Ruth E. Snyder

Assistants: Richard P. Avonda, Arnold J. Bajek, Bernard Loitman, Herbert V. von Gal

The teaching of radiology is conducted by didactic lectures, by section work with smaller groups in connection with clinical clerkships, and by presentation of the X-ray aspects of various cases at the regular conferences of the clinical departments. Moreover, elective courses given in the fourth year play an important part in supplementing these methods. A large film and lantern slide museum of cases carefully selected for their teaching value has been prepared. This is constantly added to from the abundant material passing through the department. Three floors of the L Building are assigned to X-ray work. In addition, equipment for special examinations is located in the Woman's Clinic, urology, psychiatry, and elsewhere in the Medical College and Hospital.

During the first year, in collaboration with the department of anatomy, anatomical structures are visualized by radiographic and roentgenoscopic methods.

The didactic work consists of a series of eleven lectures to the entire second year class. These include the fundamental principles of radiation physics, X-ray diagnosis, and X-ray and radium therapy, with the aim of making the student aware at this stage of the various uses of X-rays. The indications and limitations are stressed.

Section work is conducted in the third year, while the students are serving as clinical clerks. The departments of medicine, pediatrics, and surgery assign each group receiving instruction from them to the department of radiology for regularly scheduled informal sessions. Specifically related X-ray material is presented and correlated with the clinical and laboratory findings. These sessions total approximately thirty hours.

Twenty lectures on roentgen diagnosis and radiation therapy are given to the fourth year class.

ELECTIVES: FOURTH YEAR

(1) *X-ray Clinical Clerkship*. A limited number of students are accepted to observe, and assist, where possible, in the routine activities of the department. The routine includes film interpretations, fluoroscopy, therapeutic irradiation, and attendance at radiology conferences. Two conferences are held daily (L-611) at which time the more interesting diagnostic and therapeutic problems are discussed. One conference is held from 11 a.m. to 12 m. The second session, from 1 to 2 p.m., is limited to a review of the current examinations of the gastrointestinal tract.

(2) *Technique of Fluoroscopy*. Two hours. Limited to six students. Arrangements to be made through the department head.

(3) *Gastrointestinal Fluoroscopy and Film Interpretation*. One month. Limited to six students at any one time. During the period of the elective, the students will be permitted to perform fluoroscopic examination under supervision. Arrangements are to be made through the department head.

SURGERY

FRANK GLENN, Lewis Atterbury Stimson Professor of Surgery (*Chairman*)

ALEXANDER BRUNSCHWIG, Professor of Clinical Surgery

HERBERT CONWAY, Professor of Clinical Surgery (Plastic Surgery)

GUILFORD S. DUDLEY, Professor of Clinical Surgery

WILLIAM F. MACFEE, Professor of Clinical Surgery

JOHN M. McLEAN, Professor of Clinical Surgery (Ophthalmology)

S. W. MOORE, Professor of Clinical Surgery

JOHN M. PEARCE, Professor of Pathology in Surgery

HENRY T. RANDALL, Professor of Surgery

BRONSON S. RAY, Professor of Clinical Surgery (Neurosurgery)

T. CAMPBELL THOMPSON, Professor of Clinical Surgery (Orthopedics)

PRESTON A. WADE, Professor of Clinical Surgery

JOSEPH F. ARTUSIO, Jr., Associate Professor of Surgery (Anesthesiology)

WILLIAM A. BARNES, Associate Professor of Clinical Surgery

JOHN M. BEAL, Jr., Associate Professor of Clinical Surgery

EUGENE E. CLIFFTON, Associate Professor of Clinical Surgery

BRADLEY L. COLEY, Associate Professor of Clinical Surgery

WILLIAM A. COOPER, Associate Professor of Clinical Surgery

NELSON W. CORNELL, Associate Professor of Clinical Surgery

MICHAEL R. DEDDISH, Associate Professor of Clinical Surgery

JOHN W. DRAPER, Associate Professor of Clinical Surgery (Urology)
JOHN H. ECKEL, Associate Professor of Clinical Surgery
GEORGE F. EGAN, Associate Professor of Clinical Surgery (Dental Surgery)
CRANSTON W. HOLMAN, Associate Professor of Clinical Surgery
WILLIAM S. HOWLAND, Associate Professor of Surgery (Anesthesiology)
S. FARRAR KELLEY, Associate Professor of Clinical Surgery (Otolaryngology)
ERNEST W. LAMPE, Associate Professor of Clinical Surgery
FREDERICK L. LIEBOLT, Associate Professor of Clinical Surgery (Orthopedics)
VICTOR F. MARSHALL, Associate Professor of Clinical Surgery (Urology)
HAYES E. MARTIN, Associate Professor of Clinical Surgery
GERVAIS W. McAULIFFE, Associate Professor of Clinical Surgery (Otolaryngology)
ALLISTER M. McLELLAN, Associate Professor of Clinical Surgery (Urology)
JAMES A. MOORE, Associate Professor of Clinical Surgery (Otolaryngology)
WILLIAM F. NICKEL, JR., Associate Professor of Clinical Surgery
GEORGE T. PACK, Associate Professor of Clinical Surgery
HERBERT PARSONS, Associate Professor of Clinical Surgery (Neurosurgery)
ROBERT L. PATTERSON, Associate Professor of Clinical Surgery (Orthopedics)
RUSSEL H. PATTERSON, Associate Professor of Clinical Surgery
LEE R. STRAUB, Associate Professor of Clinical Surgery (Orthopedics)
NORMAN TREVES, Associate Professor of Clinical Surgery
F. STEPHEN VOGEL, Associate Professor of Pathology in Surgery
LEWIS C. WAGNER, Associate Professor of Clinical Surgery (Orthopedics)
JOHN P. WEST, Associate Professor of Clinical Surgery
WILLET F. WHITMORE, JR., Associate Professor of Clinical Surgery
IRVIN BALENSWEIG, Assistant Professor of Clinical Surgery (Orthopedics)
STANLEY J. BEHRMAN, Assistant Professor of Clinical Surgery (Dental Surgery)
ANNE M. BELCHER, Assistant Professor of Clinical Surgery (Otolaryngology)
ROBERT J. BOOHER, Assistant Professor of Clinical Surgery
CHARLES BURSTEIN, Assistant Professor of Clinical Surgery (Anesthesiology)
WILLIAM G. CAHAN, Assistant Professor of Clinical Surgery (Anesthesiology)
JOHN R. COBB, Assistant Professor of Clinical Surgery (Orthopedics)
ARTHUR D. CONSOLE, Assistant Professor of Clinical Surgery (Neurosurgery)
WILLIAM COOPER, Assistant Professor of Clinical Surgery (Orthopedics)
PETER DINEEN, Assistant Professor of Clinical Surgery
HOWARD S. DUNBAR, Assistant Professor of Clinical Surgery (Neurosurgery)
EDWARD A. DUNLAP, III, Assistant Professor of Clinical Surgery (Ophthalmology)
JOHN T. ELLIS, Assistant Professor of Pathology in Surgery
HOLLON W. FARR, Assistant Professor of Clinical Surgery
JOSEPH H. FARROW, Assistant Professor of Clinical Surgery
GEORGE A. FIEDLER, Assistant Professor of Clinical Surgery (Urology)
EDGAR A. FRAZELL, Assistant Professor of Clinical Surgery
HAROLD GENVERT, Assistant Professor of Clinical Surgery
HELENA GILDER, Assistant Professor of Biochemistry in Surgery
DAN M. GORDON, Assistant Professor of Clinical Surgery (Ophthalmology)
NORMAN L. HIGINBOTHAM, Assistant Professor of Clinical Surgery
JAMES M. HOLMAN, Assistant Professor of Clinical Surgery (Otolaryngology)
GEORGE R. HOLSWADE, Assistant Professor of Clinical Surgery
GUSTAVUS A. HUMPHREYS, Assistant Professor of Clinical Surgery (Urology)
D. REES JENSEN, Assistant Professor of Clinical Surgery
RICHARD C. KARL, Assistant Professor of Clinical Surgery
JOSEPH T. KAUER, Assistant Professor of Clinical Surgery
EDWARD B. C. KEEFER, Assistant Professor of Clinical Surgery
LUCILE LOSEKE, Assistant Professor of Clinical Surgery
BERNARD MAISEL, Assistant Professor of Clinical Surgery
BENJAMIN E. MARBURY, Assistant Professor of Clinical Surgery (Anesthesiology)

FRANK J. MCGOWAN, Assistant Professor of Clinical Surgery
 FREDERICK C. McLELLAN, Assistant Professor of Clinical Surgery (Urology)
 GORDON P. McNEER, Assistant Professor of Clinical Surgery
 LAURENCE MISCALL, Assistant Professor of Clinical Surgery
 ALBERT J. PAQUIN, JR., Assistant Professor of Clinical Surgery (Urology)
 JOHN L. POOL, Assistant Professor of Clinical Surgery
 ERIC C. RICHARDSON, Assistant Professor of Clinical Surgery (Ophthalmology)
 PETER C. RIZZO, Assistant Professor of Clinical Surgery (Orthopedics)
 JOHN G. SCHMIDT, Assistant Professor of Clinical Surgery
 OLGA SCHWEIZER, Assistant Professor of Surgery (Anesthesiology)
 STUART S. SNYDER, Assistant Professor of Clinical Surgery (Ophthalmology)
 MAUS J. STEARNS, JR., Assistant Professor of Clinical Surgery
 JOHN E. SUTTON, Assistant Professor of Clinical Surgery
 FRANCIS P. TWINEM, Assistant Professor of Clinical Surgery (Urology)
 JOHN M. WALKER, Assistant Professor of Surgery
 WILLIAM L. WATSON, Assistant Professor of Clinical Surgery
 PHILIP D. WILSON, JR., Assistant Professor of Clinical Surgery (Orthopedics)

Research Associate: John E. Shannon

Instructors: Jacob Applebaum, Samuel Avnet, William H. Ayres, Howard Balensweig, Irving Baras, John W. Bellville, Francis A. Beneventi, Frank L. Bird, Lemuel Bowden, C. Paul Boyan, Richard J. Brasfield, Paul W. Braunstein, Charles N. Breed, Jr., Mitchell Brice, Anthony Camarda, Rolla D. Campbell, Jr., Thomas I. Carey, Daniel Catlin, Donald G. C. Clark, Edward C. Coats, Elizabeth F. Constantine, Alexander Conte, Carleton M. Cornell, George Cornell, William W. Daniel, Robert D. Deans, Ralph T. DiPace, Alma Dotto, J. Edwin Drew, Thomas J. Dring, Wade Duley, Francis J. Fadden, Jr., Austin I. Fink, Edgar P. Fleishmann, Joseph H. Fortner, Milton Gabel, Thomas J. Garrick, J. Theodore Geiger, Anita H. Goulet, James L. Green, Eugene J. Guenard, Charles K. Hamilton, James S. Harrison, Charles C. Harrold, Jr., J. Paul Harvey, Bruce R. Heinzen, Alexander Hersh, Ralph E. L. Hertz, Malcolm R. Hill, Arthur I. Holleb, Henry L. Hood, Russell H. Hooker, I. David Horwich, Suzanne A. L. Howe, Jerry Hart Jacobsen, William A. Jamison, Ira Kaufman, James T. Kelly, Jerome Lawrence, Edward B. Leahy, John S. Lewis, Francis T. Linder, Alfred E. Mamelok, Victor Mayer, Valentino Mazzia, Charles J. McPeak, Leopold Mehler, Theodore R. Miller, Oliver S. Moore, George C. Mueller, Juan Negrin, James A. Nicholas, Edward W. D. Norton, John B. Ogilvie, Earl A. O'Neill, Elisabeth P. Pickett, Stuart Quan, S. Frank Redo, Guy F. Robbins, Andrew Schildhaus, Morris Schnittman, Mieczyslaw Sierp, Joanne Smith, William L. Smith, Reuven K. Snyderman, David S. Speer, John F. Struve, H. Randall Tollefsen, Marjorie J. Topkins, Percy Tung, George K. Tweddel, Jr., Jerome A. Urban, George Wantz, Willis M. Weeden, Andrew B. Weir, Roy G. Wiggans, John R. Williams, Wilfred D. Wingeback, William I. Wolff, Arthur W. Wyker, Jr., Robert B. Zufall

Assistants: David Barr, Jules A. Berkenfield, Kenneth G. Campbell, Erling B. Christophersen, Robert L. Clarke, William Cooper, William L. Craver, Daniel W. Davis, Joseph Dineen, Carl M. Ebersole, Lester Felton, Thomas J. Farraro, Ames Filippone, Edward A. Free, Charles Frey, Frederick W. Fuller, Miles A. Galin, Edward I. Goldsmith, William R. Grafe, Peter M. Guida, Maury Hanson, Walter B. Hoover, Alan Inglis, George Johnson, Jr., John Keuhnelian, Henry J. Kinasian, David C. Kripke, Russell W. Lavengood, Henry L. Mannix, John H. McGovern, Arthur J. Okinaka, Russel H. Patterson, Jr., Charles W. Pearce, Walter L. Peretz, John H. Per-Lee, Helen Philippidou, James W. Preuss, Edward P. Ryan, Lester Shultis, Paul A. Skudder, I. Robert Spier, Jack F. Stuart, Edward Tarabulcy, J. Roger Thibert, Alan Van Poznak, Donald L. Weeks, John C. Whitsell

Research Assistant: Donald S. Geduldig

GENERAL SURGERY

SECOND YEAR: A course in Introductory Surgery, presented during the third term of the second year, is devoted to the principles of history taking and physical examination on surgical patients. The course is opened with a series of lecture demonstrations. The students are then assigned in groups of four or five for instruction in the examination of surgical patients under the supervision of a staff instructor. Total hours, 22.

THIRD YEAR: Emphasis is placed, in the third year, on the principles in diagnosis and the management of ambulatory patients and the surgical specialties. In the third year the students spend one term in the outpatient departments of general surgery and the surgical specialties. In the diagnostic clinic of general surgery, the students are assigned to new patients and obtain complete history and physical examinations. Differential diagnoses, diagnostic procedures, and therapy are formulated in conference with an attending surgeon. Patients are seen on return visits in order that progress and study of the results of diagnostic procedures may be determined and the subsequent course of the patient outlined in consultation with a staff member. In the minor surgical clinic, as much responsibility as possible is given to the students in the treatment of infections, removal of sutures, and dressing of wounds under the supervision of the surgical instructor. Students are assigned in rotation to the orthopedic, urologic, fracture, ENT, and ophthalmological clinics where they receive instruction in diagnosis and therapy in these surgical specialties. In addition to these clinic activities, a course in operative surgery on animals occupies one morning each week. A team of four students is responsible for the anesthesia and for the performance of a group of classical operative procedures. The course is designed to emphasize the fundamental principles of operative surgery. Lectures are given three times weekly for the entire group at which time selected topics are presented and discussed. A surgical clinic at the noon hour is held once weekly by the Professor of Surgery. A weekly clinical pathological conference is held for both third and fourth year students. Total hours, 330.

FOURTH YEAR: The fourth year assignment in Surgery is devoted to a clinical clerkship on the Surgical Pavilions. The student participates in the management of patients by obtaining a complete history and performing physical examinations and laboratory determinations with the opportunity of participating in the differential diagnosis and the pre-operative preparation and of being a member of the operating team in the operating room. The student follows the course of the patient after the operation and attends rounds on the pavilions daily where the problems in management are discussed. A weekly conference is held

with a surgical staff member to discuss problems of diagnosis, and the student participation is emphasized. Each week a symposium is conducted by a moderator from the surgical staff where the students present an analysis of the literature of recent advances in surgery. A surgical pathology conference is conducted weekly at which time gross and pathological findings are analyzed from patients from the Surgical Pavilions. Conferences are conducted at noon, four times weekly, in general surgery or one of the specialties including neurosurgery, thoracic surgery, plastic surgery, or anesthesiology. Members of both the third and fourth year classes attend the surgical grand rounds held each Saturday morning. Total hours, 264.

ELECTIVE COURSES

SURGICAL PHYSIOLOGY...Maximum of four students. Eight weeks' course, throughout the year; next course starts June 18. Complete study of electrolyte balance. Students are responsible for clinical patient care under the supervision of attending physicians. Didactic lectures and group discussions. Intensive work.

STUDENT CLERKSHIP...Sixteen medical students. Students will be assigned to various services and will be on call for hospital care. There will be four attending physicians assigned as tutors for the group; each tutor will be responsible for four men. Students will be rotated through Admitting Clinic, Lymphoma Clinic, Medical, and Pediatric Clinics, and through either Surgery A (head and neck, thoracic, breast), or Surgery B (gastric and mixed tumor, bone, gynecology, urology, and rectal). There will be 31 one- to two-hour informal discussions with the students, carried out by the senior and junior attending physicians.

SPECIAL STUDENTS

ALL STUDENTS not registered in Cornell University Graduate School and not registered for the M.D. degree are SPECIAL STUDENTS. These are SPECIAL STUDENTS in the true sense of the word and must be especially qualified in preparation, ability, and objective in order to receive any consideration. They may or may not be graduate students in the sense of having completed work for a collegiate degree. They are admitted *only by the consent of the head of the department* and must be registered in the Administration Office of the Medical College and must pay their fees at the Business Office before being admitted to lectures or laboratory periods. They are required to carry and show on demand of the authorities a permit of attendance.

FEES

Matriculation Fee	\$10
Administration Fee	\$ 5

Tuition fees vary depending upon the type of work taken.

A breakage fee may be required.

TABLE OF REQUIRED HOURS

	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>	<i>Total</i>
ANATOMY:					
GROSS ANAT. OF THE HUMAN BODY	374				
MICROSCOPIC ANATOMY	180				
NEUROANATOMY	84				638
BIOCHEMISTRY	220				220
MICROBIOLOGY & IMMUN.	55	99			154
PHYSIOLOGY	110	121			231
PATHOLOGY		308			308
PHARMACOLOGY		143			143
MEDICINE:					
PHYSICAL DIAGNOSIS		121			
CLINICAL PATHOLOGY		77			
NEUROLOGY		33			
SPECIALTIES, CLERKSHIP & OPD			297	264	
LECTURES		22	33		847
MEDICAL COMPREHENSIVE CARE*..				310	
SURGERY:					
OPHTHALMOLOGY		22			
INTRODUCTORY SURGERY		22			
SPECIALTIES, CLERKSHIP & OPD...			297	264	
LECTURES			33		638
OBSTETRICS AND GYNECOLOGY:					
PRACTICAL INSTRUCTION			66	264	
LECTURES			66		396
PEDIATRICS:					
PRACTICAL INSTRUCTION			132	66	
LECTURES			33		231
PSYCHIATRY:					
PSYCHOBIOLOGY	22				
PSYCHIATRY		33	33	66	
LECTURES				33	187
PUBLIC HEALTH:					
PARASITOLOGY		33			
FIELD AND SECTION		22	33		
LECTURES		11	33		132
CONTAGIOUS DISEASES			18		18
RADIOLOGY		11		20	31
ELECTIVE HOURS				(264)	
Totals	1045	1078	1074	1287	4484

*The Medical Comprehensive Care Program is a joint project of all clinical departments and the department of public health. In addition to the 310 hours not assigned to any one department, this program embraces the assigned fourth year curricular hours of medicine and pediatrics and part of those of psychiatry.

() Elective time not included in totals.

FIRST YEAR SCHEDULE 1956-1957

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday			
9–10	Histology	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy			
10–11									
11–12									
12–1									
1–2	Biochemistry	Histology	Free	Biochemistry	Biochemistry				
2–3	Anatomy			Histology	Histology				
3–4									
4–5									

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Neuro-anatomy	Histology	Anatomy	Neuro-anatomy		Neuro-anatomy* Histology
10-11						
11-12						
12-1						
1-2	Biochemistry	Anatomy	Free	Biochemistry	Biochemistry	
2-3	Anatomy			Anatomy	Anatomy	
3-4						
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Biochemistry	Physiology	Biochemistry	Physiology	Biochemistry	Physiology
10-11						
11-12				Microbiology		Psychiatry
12-1				Psychiatry		
1-2						
2-3	Microbiology	Physiology	Free	Microbiology	Biochemistry	
3-4						
4-5						

*Five sessions histology and 6 neuroanatomy.

SECOND YEAR SCHEDULE

1956-1957

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9-10	Pharmacology	Physiology	Physiology	Pharmacology	Physiology	Physiology	
10-11			Microbiology		Pharmacology		
11-12						Pharmacology	Pharmacology
12-1							
1-2							
2-3							
3-4	Microbiology	Physiology	Free	Parasitology	Microbiology		
4-5							

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pathology	Pathology	Pathology	Pathology	Pathology	Pathology
10-11						
11-12						
12-1						
1-2	Public Health	Physical Diagnosis	Free			
2-3						
3-4						
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Physical Diag. "A" Neurol. Diag. IV Intro. Surg. III	Pathology	Physical Diag. "B" Neurol. Diag. I Intro. Surg. II	Physical Diag. "A" Neurol. Diag. III Intro. Surg. IV	Physical Diag. "B" Neurol. Diag. II Intro. Surg. I	Pathology
10-11						
11-12						
12-1	Appl. Pharm.	Appl. Pharm.	Introductory Medicine	Neurology	Introductory Medicine	
1-2						
2-3	Ophthalmol- ogy	Clinical Pathology	Free		Clinical Pathology	
3-4	Clinical Pathology					
4-5				Radiology	Ophthalmol- ogy	

THIRD YEAR SCHEDULE

1956-1957

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
9:30-1:00	Group A: Medicine (1); Ob.-Gyn., Ped., Psych., Pb. Hl. (2); Surgery (3). Group B: Surgery (1); Medicine (2); Ob.-Gyn., Ped., Psych., Pb. Hl. (3). Group C: Ob.-Gyn., Ped., Psych., Pb.-Hl. (1); Surgery (2); Medicine (3).					
1-2						
2-3						
3-4	C.P.C.		Free			
4-5						

DETAILED SCHEDULE—HALF TERM (5½ WEEKS)

PEDIATRICS

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
9:30-1:00	Ob.-Gyn.	Pediatrics				
1-2						
2-3	Pediatrics					
3-4		Pediatrics	Free	Pediatrics		
4-5	C.P.C.					

DETAILED SCHEDULE—HALF TERM (5½ WEEKS)

OBSTETRICS AND GYNECOLOGY, PSYCHIATRY, PUBLIC HEALTH, CONTAGIOUS DISEASES

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
9:30-1:00	Ob.-Gyn.	Ob.-Gyn.	Contag. Diseases	Ob.-Gyn.	Pb. Hl.	
1-2						
2-3						
3-4	C.P.C.	Psychiatry	Free	Psychiatry	Pb. Hl.	
4-5						

FOURTH YEAR SCHEDULE

1956-1957

TWO SEMESTERS (SIX DIVISIONS) 22½ WEEKS EACH
JUNE 18 to MAY 29

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-1	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><i>1st Semester</i></p> <p>Section I Medical Comprehensive Care</p> <p>Section II D Elec. (1); Ob.-Gyn. (2); Surg. (3). E Surg. (1); Elec. (2); Ob.-Gyn. (3). F Ob.-Gyn. (1); Surg. (2); Elec. (3).</p> </div> <div style="width: 45%;"> <p><i>2nd Semester</i></p> <p>{ A Elec. (1); Ob.-Gyn. (2); Surg. (3). B Surg. (1); Elec. (2); Ob.-Gyn. (3). C Ob.-Gyn. (1); Surg. (2); Elec. (3).</p> <p>Medical Comprehensive Care</p> </div> </div>					
1-2						
2-3			Psychiatry			
3-4						
4-5	C.P.C.		Special Lect.			

DETAILED SCHEDULE
MEDICAL COMPREHENSIVE CARE

Morning:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Group I { A B	Pediatrics Medicine	Medicine Pediatrics	Pediatrics Medicine	<i>All Groups</i> (9:00-10:00) Lecture (10:00-11:30) Medical Grand Rounds (12:00-1:00) Radiology	Medicine Pediatrics	<i>All Groups</i> Special Conference
II { C D	Seminar Sp'ty Elec.	Sp'ty Elec. Seminar	Seminar Medicine S		Sp'ty Elec. Seminar	
Afternoon:						
I { A B	{ Seminar Pediatrics Sp'ty Elec.	Sp'ty Elec. Seminar	<i>All Groups</i> (2:00-3:00) Psychiatry (3:00-4:00)	Seminar Sp'ty Elec.	{ Seminar Pediatrics Medicine Psychiatry (4:00-5:00) <i>All Groups</i> Pediatric Grand Rounds	
II { C D	Psychiatry Medicine	Medicine Psychiatry	Com. Care Conf (4:00-5:00) Special Lecture	Psychiatry Medicine		

Groups I and II switch at the end of eleven weeks.

SLOAN-KETTERING DIVISION OF CORNELL UNIVERSITY MEDICAL COLLEGE

BY AGREEMENT dated June 16, 1950, between Cornell University, Sloan-Kettering Institute for Cancer Research, Memorial Center for Cancer and Allied Diseases, and the Society of the New York Hospital, a graduate division of Cornell University Medical College was established to be known as the Sloan-Kettering Division of Cornell University Medical College.

While each party to the above agreement continues under control and management of its respective Board of Trustees or Managers, there is established a Coordinating Board of eight members, of which two shall be chosen by each of the parties to this agreement. This Board will act as a clearing house of information and as a coordinator of those functions in which all of the parties to this agreement are interested and will make recommendations to the respective Boards of the parties to the agreement.

The Coordinating Board of the Sloan-Kettering Division of Cornell University Medical College consists at present of the following members:

Representatives of Memorial Center

Reginald G. Coombe

Nicholas T. Noyes

Representatives of Sloan-Kettering Institute

Frank A. Howard

Raymond P. Sloan

Representatives of Cornell University

Arthur H. Dean, Chairman of the Executive Committee of the Board of Trustees

Deane W. Malott, President of the University

Representatives of the Society of the New York Hospital

John Hay Whitney

Henry S. Sturgis

FACULTY PROFESSORS

JOHN J. BIESELE, *Professor of Biology*. (A.B. 1939, Ph.D. 1942, University of Texas. [1950; 1955])

OSCAR BODANSKY, *Professor of Biochemistry*. Attending Clinical Biochemist, Memorial Hospital. (A.B. 1921, Ph.D. 1925, Columbia; M.D. 1938, University of Chicago. [1946; 1951])

- GEORGE B. BROWN, *Professor of Biochemistry*. (B.S. 1934, Illinois Wesleyan; M.S. 1936, Ph.D. 1938, University of Illinois. [1939; 1951])
- EMERSON DAY, *Professor of Preventive Medicine*. Director, Strang Cancer Prevention Clinic. (B.S. 1934, Dartmouth; M.D. 1938, Harvard. [1947; 1954])
- THOMAS F. GALLAGHER, *Professor of Biochemistry*. (A.B. 1927, Fordham University; Ph.D. 1931, University of Chicago. [1951])
- JOHN S. LAUGHLIN, *Professor of Biophysics*. Attending Physicist, Memorial Hospital. (A.B. 1940, Willamette University; M.S. 1942, Haverford College; Ph.D. 1947, University of Illinois. [1952; 1955])
- CORNELIUS P. RHOADS, *Professor of Pathology*. Scientific Director, Memorial Center for Cancer and Allied Diseases. (A.B. 1920, Bowdoin; M.D. 1924, Harvard. [1941])
- FRED W. STEWART, *Professor of Pathology*. Attending Pathologist, Memorial Hospital; Attending Pathologist, New York Hospital. (A.B. 1916, Ph.D. 1919, Cornell; M.D. 1924, Harvard. [1928; 1949])
- C. CHESTER STOCK, *Professor of Biochemistry*. (B.S. 1932, Rose Polytechnic Institute; Ph.D. 1937, Johns Hopkins University; M.S. 1941, New York University. [1951])
- GEORGE W. WOOLLEY, *Professor of Biology*. (B.S. 1930, Iowa State College; M.S. 1931, Ph.D. 1935, University of Wisconsin. [1951])

ASSOCIATE PROFESSORS

- AARON BENDICH, *Associate Professor of Biochemistry*. (B.S. 1939, College of the City of New York; Ph.D. 1946, Columbia University. [1952; 1953])
- HAROLD BEYER, *Associate Professor of Biophysics*. (A.B. 1934, Ph.D. 1943, Columbia University. [1951])
- LIEBE F. CAVALIERI, *Associate Professor of Biochemistry*. (B.S. 1943, M.S. 1944, Ph.D. 1945, University of Pennsylvania. [1952; 1953])
- DONALD A. CLARKE, *Associate Professor of Pharmacology*. (B.S. 1937, Philadelphia College of Pharmacy and Science; M.A. 1946, Ph.D. 1950, Cornell. [1952; 1955])
- FRANK W. FOOTE, JR., *Associate Professor of Pathology*. Attending Pathologist, Memorial Hospital; Associate Attending Pathologist, New York Hospital. (A.B. 1931, M.D. 1935, University of Virginia. [1949])
- DAVID K. FUKUSHIMA, *Associate Professor of Biochemistry*. (A.B. 1939, Whittier College; A.M. 1943, University of California at Los Angeles; Ph.D. 1946, University of Rochester. [1952; 1956])
- ALICE E. MOORE, *Associate Professor of Biology*. (A.B. 1930, A.M. 1935, Ohio State University; M.D. 1942, New York University College of Medicine. [1951])
- MARY L. PETERMANN, *Associate Professor of Biochemistry*. (A.B. 1929, Smith College; Ph.D. 1939, University of Wisconsin. [1951])
- FREDERICK S. PHILIPS, *Associate Professor of Pharmacology*. (B.S. 1936, Columbia; Ph.D. 1940, Rochester. [1948; 1951])
- H. CHRISTINE REILLY, *Associate Professor of Microbiology*. (B.S. 1941, New Jersey College for Women; Ph.D. 1946, Rutgers University. [1952; 1956])
- DONALD W. VISSER, *Visiting Associate Professor of Biochemistry*. (A.B. 1937, Hope College; M.S. 1939, Syracuse University; Ph.D. 1947, University of Colorado. [1955])
- ERNEST L. WYNDER, *Associate Professor of Preventive Medicine*. Clinical Assistant in Medicine, Memorial Hospital. (A.B. 1943, New York University; M.D. 1950, Washington University. [1954; 1956])
- MARJORIE BASS ZUCKER, *Associate Professor of Physiology*. (A.B. 1939, Vassar College; Ph.D. 1944, Columbia University. [1955])

ASSISTANT PROFESSORS

- GENEVIEVE BADER, *Assistant Professor of Preventive Medicine*, Assistant Attending Physician, Strang Cancer Prevention Clinic. (A.B. 1940, Barnard; M.D. 1943, New York University College of Medicine. [1954])
- M. EARL BALIS, *Assistant Professor of Biochemistry*. (A.B. 1943, Temple University; M.S. 1947, Ph.D. 1949, University of Pennsylvania. [1952; 1953])
- RALPH K. BARCLAY, *Assistant Professor of Biochemistry*. (B.S. 1938, University of Illinois; Ph.D. 1949, Iowa State College. [1953])
- H. LEON BRADLOW, *Assistant Professor of Biochemistry*. (B.S. 1945, University of Pennsylvania; M.S. 1947, Ph.D. 1949, University of Kansas. [1952; 1956])
- A. R. T. DENUES, *Assistant Professor of Biology*. (B.E. 1935, M.G.E. 1937, Johns Hopkins; Ph.D. 1939, University of Maryland. [1952; 1954])
- JACK J. FOX, *Assistant Professor of Biochemistry*. (A.B. 1939, Ph.D. 1950, University of Colorado [1956])
- THEODORE HALL, *Assistant Professor of Biophysics*. (B.S. 1944, Harvard University; Ph.D. 1950, University of Chicago. [1956])
- LEONARD D. HAMILTON, *Assistant Professor of Biology*, Clinical Assistant Radiation Therapist, Memorial Hospital; Clinical Assistant, Medical Chemotherapy Service, Memorial Hospital. (B.A. 1943, B.C.L. 1945, M.A. 1946, D.M. 1951, Oxford; M.A. 1948, Ph.D. 1952, Cambridge. [1954; 1956])
- DORRIS J. HUTCHISON, *Assistant Professor of Microbiology*. (B.S. 1940, Western Kentucky State; M.S. 1943, University of Kentucky; Ph.D. 1949, Rutgers. [1952; 1954])
- LEONHARD KORNGOLD, *Assistant Professor of Biochemistry*. (A.B. 1947, Brooklyn College; M.S. 1948, Ph.D. 1950, Ohio State University. [1955])
- LEOPOLD G. KOSS, *Assistant Professor of Pathology*, Assistant Attending Pathologist, Memorial Hospital. (M.D. 1946, University of Berne. [1954])
- ROBERT C. MELLORS, *Assistant Professor of Pathology*, Assistant Attending Pathologist, Memorial Hospital. (A.B. 1937, A.M. 1938, Ph.D. 1940, Western Reserve University; M.D. 1944, Johns Hopkins University. [1952])
- WILLIAM L. MONEY, *Assistant Professor of Biology*. (A.B. 1943, Brown University; Ph.D. 1947, Harvard University. [1949; 1951])
- WALTER O'DONNELL, *Assistant Professor of Preventive Medicine*, Assistant Director, Strang Cancer Prevention Clinic, Assistant Attending, Strang Clinic, Memorial Hospital. (M.D. 1947, Georgetown University [1956])
- MAURICE M. RAPPORT, *Assistant Professor of Biochemistry*. (B.S. 1940, City College of New York; Ph.D. 1945, California Institute of Technology. [1952; 1955])
- ROBERT S. ROSENFELD, *Assistant Professor of Biochemistry*. (B.S. 1942, Washington and Lee University; Ph.D. 1950, University of Pittsburgh. [1952; 1956])
- THOMAS R. SIMON, *Assistant Professor of Pathology*, Assistant Attending Pathologist, Memorial Hospital; Director, Laboratory of Cytology, Strang Clinic. (B.S. 1943, St. Bonaventure University; M.D. 1945, St. Louis University. [1955; 1956])
- STEPHEN S. STERNBERG, *Assistant Professor of Pathology*, Assistant Attending Pathologist, Memorial Hospital. (A.B. 1941, Colby College; M.D. 1944, New York University College of Medicine. [1952; 1955])
- HELENE W. TOOLAN, *Assistant Professor of Pathology*. (B.S. 1929, University of Chicago; Ph.D. 1946, Cornell University Medical College. [1952])
- LOUIS VENET, *Assistant Professor of Preventive Medicine*, Associate Director, Strang Cancer Prevention Clinic. (B.S. 1933, M.D. 1937, New York University. [1954])
- HELEN Q. WOODARD, *Assistant Professor of Biochemistry*, Associate Attending Biochemist, Memorial Hospital. (B.S. 1920, Stetson University; Ph.D. 1925, Columbia University. [1952])
- SAI-HOU YING, *Assistant Professor of Preventive Medicine*. (B.S. 1931, Soochow; M.D. 1935, National Medical College of Shanghai. [1954])

EDUCATIONAL PLAN OF INSTRUCTION

The facilities of the Sloan-Kettering Graduate Division consist of a thirteen story laboratory unit (Sloan-Kettering Institute) in direct connection with two hospitals—Memorial Hospital, a voluntary institution of 280 beds, and the James Ewing Hospital, a unit of the New York City hospital system with 270 beds. The Strang Clinic, another building in the unit, houses the work in preventive medicine in cancer.

The training offered in this Division is primarily for advanced students, with the Master's degree or equivalent, working toward the Ph.D. degree. The plan of organization for teaching and research affords ample opportunities for direct participation in investigative work on cancer and allied diseases in recognized divisions of the physical and biological sciences but not in any of the clinical fields such as medicine, pediatrics, and surgery. In addition to the conventional disciplines of biochemistry, biophysics, and pathology, a new department has been organized under the heading of "Biology and Growth." This department presents lectures and laboratory work in the field of normal and neoplastic growth, which do not fall in the usual curricular divisions.

BIOCHEMISTRY

OSCAR BODANSKY, Professor of Biochemistry
GEORGE B. BROWN, Professor of Biochemistry
THOMAS F. GALLAGHER, Professor of Biochemistry
AARON BENDICH, Associate Professor of Biochemistry
LIEBE F. CAVALIERI, Associate Professor of Biochemistry
DAVID K. FUKUSHIMA, Associate Professor of Biochemistry
MARY L. PETERMANN, Associate Professor of Biochemistry
DONALD W. VISSER, Visiting Associate Professor of Biochemistry
M. EARL BALIS, Assistant Professor of Biochemistry
H. LEON BRADLOW, Assistant Professor of Biochemistry
JACK J. FOX, Assistant Professor of Biochemistry
LEONHARD KORNGOLD, Assistant Professor of Biochemistry
MAURICE M. RAPPORT, Assistant Professor of Biochemistry
ROBERT S. ROSENFELD, Assistant Professor of Biochemistry
HELEN Q. WOODARD, Assistant Professor of Biochemistry

Research Associates: Ivan I. Salamon, Malcolm Siegel

Instructor: Morton K. Schwartz

Research Fellow: Gilbert Goldstein

ELECTIVE COURSES

Special work may be undertaken in the fields of electrolyte metabolism, enzymology, immunochemistry, protein and nucleoprotein chemistry and metabolism, and the chemistry and metabolism of steroids by arrangement with the appropriate member of the department.

BIOLOGY AND GROWTH

JOHN J. BIESELE, Professor of Biology
CORNELIUS P. RHOADS, Professor of Pathology
C. CHESTER STOCK, Professor of Biochemistry
GEORGE W. WOOLLEY, Professor of Biology
DONALD A. CLARKE, Associate Professor of Pharmacology
ALICE E. MOORE, Associate Professor of Biology
FREDERICK S. PHILIPS, Associate Professor of Pharmacology
H. CHRISTINE REILLY, Associate Professor of Microbiology
MARJORIE BASS ZUCKER, Associate Professor of Physiology
RALPH K. BARCLAY, Assistant Professor of Biochemistry
A. R. T. DENUES, Assistant Professor of Biology
LEONARD D. HAMILTON, Assistant Professor of Biology
DORRIS J. HUTCHISON, Assistant Professor of Microbiology
ROBERT C. MELLORS, Assistant Professor of Pathology
WILLIAM L. MONEY, Assistant Professor of Biology
HELENE W. TOOLAN, Assistant Professor of Pathology

Research Associates: William T. Bradner, Charles P. Dagg, Charlotte Friend, Morris Teller

Instructor: Jean Scholler

ELECTIVE COURSES

Investigative facilities are available for studies in pharmacology, microbiology, endocrinology, genetics, and virology as related to the initiation and growth of various types of cancer. Training will be given in the special procedures used in experimental cancer chemotherapy. Arrangements for the desired type of work may be made with the appropriate member of the department.

BIOPHYSICS

JOHN S. LAUGHLIN, Professor of Biophysics
HAROLD BEYER, Associate Professor of Biophysics
THEODORE HALL, Assistant Professor of Biophysics

Research Associate: Mones Berman

Instructors: Milton Danzker, Sebastian Genna, Mary Meurk, Elmer Smith, Salvatore Vacirca

ELECTIVE COURSES

Facilities are available for training in radiologic physics (including high-energy phenomena), radiobiology, tracer work (stable and radioactive), radioautography, soft X-ray absorption, electronics, and theory and practice of radiation detection. Arrangements may be made with the department head.

PATHOLOGY

FRED W. STEWART, Professor of Pathology
FRANK W. FOOTE, Jr., Associate Professor of Pathology
LEOPOLD G. KOSS, Assistant Professor of Pathology*

*On military leave to June, 1957.

THOMAS R. SIMON, Assistant Professor of Pathology
STEPHEN S. STERNBERG, Assistant Professor of Pathology

ELECTIVE COURSES

Fourth year medical students are accepted for elective work in tumor pathology for periods of one month or longer at any time through special arrangement. Such students are assigned to a graduate Fellow in pathology who will serve as tutor. They shall observe and assist at autopsies and examination of gross surgical specimens, and microscopic diagnosis; they shall attend clinicopathologic conferences and departmental conferences. Formal lectures are not offered. A microscope is required.

PREVENTIVE MEDICINE

EMERSON DAY, Professor of Preventive Medicine
ERNEST L. WYNDER, Associate Professor of Preventive Medicine
GENEVIEVE M. BADER, Assistant Professor of Preventive Medicine
WALTER O'DONNELL, Assistant Professor of Preventive Medicine
LOUIS VENET, Assistant Professor of Preventive Medicine
SAI-HOU YING, Assistant Professor of Preventive Medicine

Research Associates: Sylvia Traube, Thomas Zimmer

ELECTIVE COURSES

An elective course in methods of cancer detection for fourth year students is available by arrangement with the department head. Experience is offered in general and special examination procedures, including proctosigmoidoscopy and the clinical application of cytological techniques. Two students can be accepted for periods of one month or longer.

The department offers opportunities for research in early cancer and precancer, cytology, and the epidemiology of cancer. Special studies in these fields can be arranged with the department head.

INTERNSHIP APPOINTMENTS

CLASS OF 1956

DOCTORS OF MEDICINE, JUNE 6, 1956

Robert Richard Abel	Mountainside Hospital (R), Montclair, N.J.
Donald Elliott Allen	Cincinnati General Hospital (R), Cincinnati, Ohio
Richard Allen Antell	Buffalo General Hospital (R), Buffalo, N.Y.
William Henry Austin	Maine General Hospital (R), Portland, Maine
Archibald Hildreth Beard, Jr.	Meadowbrook Hospital (R), Hempstead, N.Y.
Charles Henry Beckmann	Cincinnati General Hospital (R), Cincinnati, Ohio
Elliott E. Blinderman	New York Hospital (S), New York, N.Y.
Bertram S. Brown	Grace-New Haven Hospital (P), New Haven, Conn.
Harry Gray Browne	New York Hospital (Path), New York, N.Y.
Harry Martin Butler, Jr.	New York Hospital (Path), New York, N.Y.
Clarence Elton Cahow, Jr.	New York Hospital (S), New York, N.Y.
Paul Daniel Carter	University of Chicago Clinics (R), Chicago, Ill.
Philip Kenneth Carter, Jr.	Navy (Camp Pendleton) (R), Oceanside, Calif.
Jay Norman Cohn	Beth Israel Hospital (M), Boston, Mass.
Thomas William Cook	V. A. Hospital (R), Long Beach, Calif.
William Charles Cooper	University Hospitals (R), Cleveland, Ohio
Charles Eugene Davis	St. Joseph's Hospital (R), Phoenix, Ariz.
Lee Washington Davis	George Washington University Hospital (M), Washington, D.C.
John Whitlow Delano	Army (Walter Reed) (R), Washington, D.C.
H. Bruce Denson	Grace-New Haven Hospital (M), New Haven, Conn.
Herbert Alban Dietzel	Kings County Hospital Center (R), Brooklyn, N.Y.
Ronald Joseph Dorris	Syracuse Medical Center (M), Syracuse, N.Y.
John Wilson Espy	University of Pennsylvania Hospital (R), Philadelphia, Pa.
Robert Slora Fackler	Rochester General Hospital (R), Rochester, N.Y.
William Rush Fackler	Navy (Great Lakes) (R), Great Lakes, Ill.
Donald Peter Feeney	Grace-New Haven Hospital (S), New Haven, Conn.
Frank Bartley Flood	St. Vincent's Hospital (M), New York, N.Y.
Rulon Newell Ford	Cincinnati General Hospital (R), Cincinnati, Ohio
John Christian Frank	Los Angeles County Hospital (R), Los Angeles, Calif.
Ivan B. Gendzel	New York Hospital (M), New York, N.Y.
Phillip George	New York Hospital (S), New York, N.Y.
Sidney Goldstein	New York Hospital (M), New York, N.Y.
Jack Goodman	Albany Hospital (S), Albany, N.Y.
Joseph Grayzel	Duke Hospital (M), Durham, N.C.
David Bruce Hayt	Lenox Hill Hospital (R), New York, N.Y.
Warren Herbert Higgins, Jr.	Syracuse Medical Center (R), Syracuse, N.Y.
Robert James Hubsmith	St. Luke's Hospital (MxS), New York, N.Y.
David McClure Iszard	Rhode Island Hospital (R), Providence, R.I.
Jerome Lee Jacobs	Greenwich Hospital (R), Greenwich, Conn.
Ramon Rafael Joseph	Meadowbrook Hospital (R), Hempstead, N.Y.
Albert Zaven Kapikian	Meadowbrook Hospital (R), Hempstead, N.Y.

James Sanford Ketchum	Army (Letterman) (R), San Francisco, Calif.
Donaldson W. Kingsley, Jr.	Bellevue Hospital, 2nd Div. (S), New York, N.Y.
Stanley Joshua Landau	Mount Sinai Hospital (S), New York, N.Y.
Arthur Maurice Levy	Bellevue Hospital, 2nd Div. (M), New York, N.Y.
William Grant Loomis	Mary Hitchcock Hospital (R), Hanover, N.H.
David Beekley Lyon	University Hospital (R), Jackson, Miss.
Sherburne Merrill Macfarlan	Colorado General Hospital (R), Denver, Colo.
Donald Fred Mahnke	University of Oregon Hospitals (R), Portland, Ore.
Edward Joseph Margulies	Albany Hospital (S), Albany, N.Y.
James Hamilton Mason	University of Illinois Res. & Ed. Hospitals (R), Chicago, Ill.
Richard Key Mead	Rhode Island Hospital (R), Providence, R.I.
Mitchell Mills	New York Hospital (S), New York, N.Y.
Frank Gordon Moody	New York Hospital (S), New York, N.Y.
Mildred Downs Moore	Strong Memorial Hospital (R), Rochester, N.Y.
Robert Roland Morgan	St. Vincent's Hospital (R), New York, N.Y.
William Alfred Morgan, Jr.	New York Hospital (M), New York, N.Y.
Burton Albert Nault	St. Elizabeth's Hospital (R), Boston, Mass.
Mary Alice Newhall	Bellevue Hospital, 2nd Div. (Mx), New York, N.Y.
Joseph Oren	Strong Memorial Hospital (R), Rochester, N.Y.
George Edward Owen	University of Chicago Clinics (R), Chicago, Ill.
Carl Black Pollock	Buffalo General Hospital (R), Buffalo, N.Y.
John Henry Prunier	New York Hospital (M), New York, N.Y.
William Mitchell Reid, Jr.	St. Luke's Hospital (MxS), New York, N.Y.
Donald Jeffery Reis	New York Hospital (M), New York, N.Y.
Nancy Ripley Rost	Meadowbrook Hospital (R), Hempstead, N.Y.
Abdol Hossein Ebtehaj Samiy	New York Hospital (M), New York, N.Y.
Stuart Norman Scherr	Syracuse Medical Center (M), Syracuse, N.Y.
Paul Schlein	Albany Hospital (R), Albany, N.Y.
David Schottenfeld	Duke Hospital (M), Durham, N.C.
George Charles Schussler	Syracuse Medical Center (M), Syracuse, N.Y.
Eugene Joseph Segre	Buffalo General Hospital (M), Buffalo, N.Y.
Anne M. Shuttleworth	Lenox Hill Hospital (R), New York, N.Y.
John Edward Sinning, Jr.	University of Oregon Hospitals (R), Portland, Ore.
Frederic Warren Smith	New York Hospital (M), New York, N.Y.
Robert Hayes Stackpole	Lenox Hill Hospital (R), New York, N.Y.
Joan Nesmith Tillotson	Nassau Hospital (R), Mineola, N.Y.
Peter Maxwell Tillotson	New York Hospital (S), New York, N.Y.
Wolodymyr Paul Tyshchenko	Kings County Hospital Center (S), Brooklyn, N.Y.
Richard David Wagoner	Minneapolis General Hospital (R), Minneapolis, Minn.
Abraham Francis Ward	Lenox Hill Hospital (R), New York, N.Y.
Richard Walter Weiskopf	Bellevue Hospital, 2nd Div. (M), New York, N.Y.
Robert Emmet Whalen	Duke Hospital (M), Durham, N.C.
Donald Richter Wieche	Syracuse Medical Center (R), Syracuse, N.Y.

SYMBOLS

R—Rotating
P—Pediatrics

M—Medicine
Path—Pathology
MxS—Mixed Surgery

S—Surgery
Mx—Mixed

REGISTER OF STUDENTS, 1956-1957

FOURTH YEAR

Robert Francis Barreras, A.B. 1953, Columbia University	Forest Hills, N.Y.
Patrick Joseph Barry, A.B. 1950, Columbia University	Jackson Heights, N.Y.
James William Beattie, A.B. 1953, Bowdoin College	Belmont, Mass.
Robert Howard Bierman, A.B. 1953, Amherst College	Summit, N.J.
Raymond McKendree Biggs, A.B. 1953, Bowdoin College	South Pomfret, Vt.
William Chester Black, A.B. 1953, Brown University	Rutherford, N.J.
Bruce David Boselli, A.B. 1954, Cornell University	Fanwood, N.J.
Volker Brandt, A.B. 1953, Upsala College	New York, N.Y.
Roger Charles Breslau, A.B. 1953, Columbia University	New York, N.Y.
Dana Charles Brooks, B.E.E. 1949, Cornell University	Orlando, Fla.
Hubert Sutton Bush, Jr., A.B. 1953, Dartmouth College	Kew Gardens, N.Y.
Blake Cady, A.B. 1953, Amherst College	Providence, R.I.
Wallace Gibson Campbell, Jr., A.B. 1953, Harvard University	Savannah, Ga.
Helen Elizabeth Carter, A.B. 1953, Wellesley College	Scarsdale, N.Y.
John Wallace Casper, A.B. 1950, Brigham Young University	Rigby, Idaho
Ronald August Chez, A.B. 1953, Johns Hopkins	Beverly Hills, Calif.
Rosalie Mary Corigliano, B.S. 1953, Queens College	Syosset, N.Y.
William Joseph Costello, A.B. 1953, Holy Cross College	Bronxville, N.Y.
Gaspar Garcia de Paredes, Jr., A.B. 1953, DePauw University	
	Panama, Republic of Panama
Peter Ellsworth Downs, A.B. 1953, Syracuse University	Southampton, N.Y.
Donald Lucien Duperret, B.S. 1950, Holy Cross College	West Englewood, N.J.
Alan Basil Echikson, A.B. 1953, Dartmouth College	South Orange, N.J.
Roger Raymond Ecker, A.B. 1953, University of Arizona	Coolidge, Ariz.
Kathryn Hawes Ehlers, A.B. 1953, Bryn Mawr College	Bronxville, N.Y.
Mervyn Leon Elgart, B.S. 1953, Brooklyn College	Brooklyn, N.Y.
Daniel Fishkoff, A.B. 1953, Cornell University	Perth Amboy, N.J.
Abdollah Solat Gashgai, Stanford University	Gashgai, Iran
John Andrew Gerda, A.B. 1949, Gordon College; M.A. 1951, Boston University	
Albert Jack Gilson, A.B. 1950, University of Miami	Trumbull, Conn.
David Gluck, A.B. 1953, Cornell University	Miami Beach, Fla.
Donald Peter Goldstein, A.B. 1953, Williams College	Far Rockaway, N.Y.
William Howard Graff, A.B. 1953, Bowdoin College	Troy, N.Y.
John Parker Hanson, A.B. 1953, Wheaton College	White Plains, N.Y.
Robert Edmund Hardy, B.S. 1953, State College of Washington	Ramsey, N.J.
Emery Sylvester Hetrick, A.B. 1953, Ohio State University	Seattle, Wash.
Donald William Hoskins, B.S. 1953, Queens College	Worthington, Ohio
Harriet Anne Hughes, A.B. 1953, Cornell University	Emerson, N.J.
Richard Estabrook Hunt, B.S. 1953, Trinity College	New York, N.Y.
Max James Kartchner, B.S. 1953, University of Arizona	Babylon, N.Y.
William Andrew Kemick, A.B. 1953, Rutgers University	St. David, Ariz.
Marshall Glenn Koenig, A.B. 1953, Oberlin College	Irrington, N.J.
Costas Theodore Lambrew, A.B. 1953, Wesleyan University	New York, N.Y.
	West Orange, N.J.

- Donald Branum Lathrop, A.B. 1953, Cornell University
 Samuel Drake Licklider, A.B. 1953, Cornell University
 Fred Yale Lobovsky, A.B. 1954, Cornell University
 William Thomas London, A.B. 1953, Oberlin College
 John Stephen Madaras, A.B. 1953, Holy Cross College
 Fred William Martens, Jr., M.E. 1949, Stevens Institute of Technology
 Richard Wilson Martin, A.B. 1953, College of Wooster
 David Michael McGoldrick, A.B. 1953, Bowdoin College
 Charles Kenneth McSherry, B.S. 1953, Fordham University
 William Walter Menninger, A.B. 1953, Stanford University
 Robert Anthony Michals, A.B. 1953, Cornell University
 Irvin Donald Milowe, A.B. 1953, Columbia University
 Aubrey Stinson Miree, III, B.S. 1952, Davidson College
 John McElroy Moran, A.B. 1954, Dartmouth College
 Alfred Powell Morgan, Jr., B.E.E. 1953, Cornell University
 Edward Carl Muecke, A.B. 1953, Reed College
 Martin Claude Nalder, A.B. 1947, Stanford University; M.A. 1954, University of Utah
 Herbert Morton Oestreich, B.S. 1953, Massachusetts Institute of Technology
 David Anderson Ogden, A.B. 1953, Cornell University
 Burton Mallett Onofrio, A.B. 1954, Dartmouth College
 William Henry Plauth, Jr., A.B. 1953, Princeton University
 George Stewart Ray, B.S. 1950, Rutgers University
 Eugene Michael Renzi, A.B. 1953, Cornell University
 Alan Burton Retik, A.B. 1953, Cornell University
 Peter-Cyrus Rizzo, III, B.S. 1953, Georgetown University
 Waid Rogers, A.B. 1950, Yale University
 Edmund Otto Rothschild, A.B. 1953, New York University
 Kenneth John Sainsbury, A.B. 1953, Cornell University
 Charles Augusto Santos Buch, A.B. 1953, Harvard University
 Norman Edward Schaefer, A.B. 1949, Wagner College; M.A. 1952, Columbia University
 Lawrence Scherr, A.B. 1950, Cornell University
 Anne Lardner Shannon, A.B. 1950, Goucher College
 Theodore Shapiro, A.B. 1953, Wesleyan University
 Joyce Carolyn Shaver, A.B. 1953, Cornell University
 Bernard Shepard Siegel, A.B. 1953, Colgate University
 John Appling Sours, A.B. 1953, Yale University
 Robert Malcolm Stafford, A.B. 1953, Cornell University
 Evan Thomas Steadman, A.B. 1950, Amherst; M.A. 1953, Amherst
 Stewart Stringfellow, B.S. 1947, Princeton
 Harold Raymond Tatar, A.B. 1953, Cornell University
 Donald Arthur Taylor, A.B. 1953, Columbia College
 Zygmunt Michael Tomkiewicz, A.B. 1953, Cornell University
 Walter Otto VomLehn, A.B. 1953, Dartmouth College
 Lawrence Joseph Werner, B.S. 1953, St. John's College
 Plainfield, N.J.
 Columbus, Ohio
 New York, N.Y.
 Perth Amboy, N.J.
 Bayonne, N.J.
 New York, N.Y.
 Monroe, Conn.
 Westwood, Mass.
 New York, N.Y.
 Topeka, Kans.
 New Britain, Conn.
 New York, N.Y.
 Birmingham, Ala.
 Jamestown, N. Dak.
 Short Hills, N.J.
 Portland, Ore.
 San Francisco, Calif.
 Brooklyn, N.Y.
 Summit, N.J.
 E. Norwalk, Conn.
 Amityville, N.Y.
 Port Washington, N.Y.
 Watertown, N.Y.
 Brooklyn, N.Y.
 Bronxville, N.Y.
 New York, N.Y.
 New York, N.Y.
 Port Washington, N.Y.
 Santiago-de-Cuba, Cuba
 Staten Island, N.Y.
 New York, N.Y.
 Montclair, N.J.
 New York, N.Y.
 Corning, N.Y.
 Tuckahoe, N.Y.
 Cedar Grove, N.J.
 Urbana, Ill.
 New York, N.Y.
 Hopedale, Mass.
 Gloversville, N.Y.
 New York, N.Y.
 Syracuse, N.Y.
 Yonkers, N.Y.
 Woodhaven, N.Y.

THIRD YEAR

- Albert Aslan Attia, A.B. 1955, Cornell University
 Stanton Hugh Avitabile, B.S. 1954, Trinity College
 Clyde Frederick Barker, A.B. 1954, Cornell University
 Colón Panama
 Brooklyn, N.Y.
 Salt Lake City, Utah

William Thomas Beaver, A.B. 1954, Princeton University	Albany, N.Y.
John Joseph Beirne, B.S. 1954, Holy Cross College	Montclair, N.J.
Robert Noel Benneyan, A.B. 1954, Amherst College	White Plains, N.Y.
Frederick D'Oench Bergen, A.B. 1954, Williams College	Locust Valley, N.Y.
Richard Monroe Bergland, B.S. 1954, Wheaton College	Great Falls, Montana
David Kip Berler, A.B. 1955, Cornell University	New York, N.Y.
Whitworth Fontaine Bird, Jr., A.B. 1954, Wesleyan University	Riverside, Conn.
Joseph Michael Bordiuk, A.B. 1954, Colgate University	Nutley, N.J.
Robert Gifford Brayton, A.B. 1954, Williams College	Fall River, Mass.
Albert Robert Burchell, A.B. 1954, Fordham College	Jackson Heights, N.Y.
Edward James Carey, Jr., A.B. 1954, Harvard College	Flushing, N.Y.
Roland David Carlson, A.B. 1954, Cornell University	Shaker Heights, Ohio
John Turner Chard, B.S.E. 1954, Princeton University	Roselle, N.J.
Don Frederick Choquette, A.B. 1952, University of California	Long Beach, Calif.
George Buchanan Coale, Jr., B.A. 1951, Williams College; B.S. 1951, M.I.T.; M.S. 1956, Rice Institute	Houston, Texas
Armand Cortese, A.B. 1954, Columbia University	Corona, N.Y.
Frederic Gilbert Dalldorf, A.B. 1954, Bowdoin College	Voorheesville, N.Y.
Joanna Stein Dalldorf, A.B. 1954, Cornell University	New York, N.Y.
Robert Earle Davis, A.B. 1954, Colgate University	Watervliet, N.Y.
Arnold Gillespie Diethelm, A.B. 1953, State College of Washington	Bronxville, N.Y.
John Patrick Donohue, A.B. 1954, Holy Cross College	Pelham, N.Y.
Walter Clarence Dueger, Jr., A.B. 1954, Wesleyan University	Niagara Falls, N.Y.
John Wynne Evans, B.S. 1955, University of Alabama	Tuscaloosa, Ala.
Richard Charles Evans, A.B. 1954, Columbia College	Brooklyn, N.Y.
Robert Andrew Fischer, A.B. 1954, Columbia University	Jackson Heights, N.Y.
Howard R. Francis, A.B. 1954, Brigham Young University	Spanish Fork, Utah
Gerald Glick, A.B. 1955, Cornell University	Brooklyn, N.Y.
Lawrence Ely Grolnick, A.B. 1954, Cornell University	Brooklyn, N.Y.
Edward Scott Hartmann, A.B. 1953, Columbia College	Hempstead, N.Y.
James Malcolm Hollister, A.B. 1954, Oberlin College	Valley Stream, N.Y.
Ann Huston, A.B. 1954, Allegheny College	Cleveland, Ohio
Alfred Wayne Jackson, Jr., A.B. 1954, Williams College	Hartville, Ohio
Alf Kiev, A.B. 1954, Harvard University	New York, N.Y.
Thomas Quin Kong, A.B. 1954, Dartmouth College	Santa Barbara, Calif.
Martin William Korn, A.B. 1955, Cornell University	Lynbrook, N.Y.
Martin Ross Krigman, A.B. 1954, Columbia College	Brooklyn, N.Y.
Eugene Mitchell Lance, A.B. 1954, Cornell University	Forest Hills, N.Y.
Nicholas Blair Le Roy, A.B. 1954, Yale University	Franklin, Ohio
Simmons Lessell, A.B. 1954, Amherst College	Forest Hills, N.Y.
Robert Alan Levine, A.B. 1954, Cornell University	New York, N.Y.
Ralph Joseph Lewis, B.S. 1954, Manhattan College	Perth Amboy, N.J.
John Norman Loomis, A.B. 1954, Rice Institute	McAllen, Texas
David Maurice Lowell, A.B. 1954, Harvard College	Onset, Mass.
Ronald Grant Lucas, B.S. 1954, Manhattan College	Flushing, N.Y.
Sumner Marshall, A.B. 1954, Harvard College	Gloucester, Mass.
John Anthony Mazzarella, B.S. 1954, Trinity College	Astoria, N.Y.
Raymond Michael McCaffrey, B.S. 1954, Fordham University	Forest Hills, N.Y.
Regina Clair McCormack, A.B. 1949, College of New Rochelle; B.S. 1952, Cornell University	Bayonne, N.J.
Robert Laurence McKee, A.B. 1954, Drew University	New York, N.Y.
John Thomas McKnight, B.S. 1954, St. Peter's College	Ridgefield Park, N.J.
George Holliday McLeod, A.B. 1954, University of North Carolina	Florence, S.C.
Robert Gillespie Merin, A.B. 1954, Swarthmore College	New York, N.Y.

- Irwin Richard Merkat, A.B. 1955, Cornell University
 Richard George Middleton, A.B. 1955, University of Utah
 Arnold Simon Monto, A.B. 1954, Cornell University
 Robert Leo Ney, A.B. 1954, Harvard College
 Thomas John O'Grady, A.B. 1954, Columbia College
 Ronald Neil Ollstein, A.B. 1955, Cornell University
 Louis Quain Pugsley, A.B. 1954, Hamilton College
 John Thomas Queenan, B.S. 1954, Notre Dame University
 Richard William Roberts, A.B. 1954, Johns Hopkins University
 Robert Michael Ryan, B.S. 1954, Holy Cross College
 Jules Reuben Schwaber, A.B. 1954, Wesleyan University
 George Elmer Shambaugh, III, A.B. 1954, Oberlin College
 Stuart Frederick Slafsky, A.B. 1954, Cornell University
 Donald Byron Stark, B.S. 1953, University of Washington
 Edward August Stasio, B.S. 1954, City College of New York
 Kurt Hodgson Stenzel, A.B. 1954, New York University
 Michael Howard Stone, A.B. 1954, Cornell University
 Horace Reginald Taitt, New York University
 Francis Finn Tarsney, A.B. 1954, Fordham University
 Perry Tirschwell, A.B. 1954, Brooklyn College
 David Gleason Underwood, II, A.B. 1954, Amherst College
 Frederick William Van Duyne, III, A.B. 1954,
 Cornell University
 Henry John Van Dyk, A.B. 1954, Calvin College
 Edward Eliot Wallach, A.B. 1954, Swarthmore College
 Hibbard Earl Williams, A.B. 1954, Cornell University
 Robert Erwin Zickel, A.B. 1952, Cornell University
- Forest Hills, N.Y.
 Salt Lake City, Utah
 Brooklyn, N.Y.
 New York, N.Y.
 Jersey City, N.J.
 Brooklyn, N.Y.
 Brewster, N.Y.
 Greenwich, Conn.
 Huntington, N.Y.
 Queens Village, N.Y.
 Westport, Conn.
 Chicago, Illinois
 Gloucester, Mass.
 Portland, Oregon
 Brooklyn, N.Y.
 New York, N.Y.
 Syracuse, N.Y.
 Brooklyn, N.Y.
 Forest Hills, N.Y.
 Brooklyn, N.Y.
 Holden, Mass.
 Riverside, Conn.
 Alameda, Calif.
 Brooklyn, N.Y.
 Utica, N.Y.
 Montclair, N.J.

SECOND YEAR

- Henriette Elizabeth Abel, A.B. 1955, Vassar College
 Daniel Wilcox Adams, A.B. 1955, Yale University
 John Carter Alden, A.B. 1955, Cornell University
 James Allen Amlicke, A.B. 1955, Columbia College
 Lockhart Davis Arbuckle, Jr., A.B. 1955, Williams College
 Robert James Athans, A.B. 1955, Yale University
 Ralph August Baer, Jr., A.B. 1955, Princeton University
 John Nelson Baldwin, A.B. 1955, Dartmouth College
 Gwendolyn Lee Barrington, A.B. 1955, Mt. Holyoke College
 Arthur Randall Beil, Jr., A.B. 1955, Brown University
 Peter Stephen Bing, A.B. 1955, Stanford University
 Peter Birk, A.B. 1955, Princeton University
 John Hunter Black, A.B. 1955, University of Florida
 Paul Lautant Bleakley, Jr., A.B. 1955, Cornell University
 Donald Lee Bricker, B.S. 1956, Colorado A. & M. College
 Peter Miller Burkholder, B.S. 1955, Yale University
 Gloria Billie Campbell, A.B. 1955, Cornell University
 Thomas Clarke Carrier, A.B. 1955, Colgate University
 Stebbins Bryant Chandor, A.B. 1955, Princeton University
 Raymond Feng-Chu Chen, A.B. 1955, Harvard University
 Robert Louis Collier, A.B. 1955, Cornell University
 Allan Richard Compton, A.B. 1955, Rutgers University
 Clement Stephen Connolly, A.B. 1955, Fordham College
 Michael Murray Conroy, A.B. 1955, Yale University
 Richard Christopher Conroy, A.B. 1955, Princeton University
- Elizabeth, N.J.
 Omaha, Nebr.
 Jamison, Pa.
 Passaic, N.J.
 Savannah, Ga.
 Tuckahoe, N.Y.
 Paterson, N.J.
 Pelham Manor, N.Y.
 N. Andover, Mass.
 Flushing, N.Y.
 Los Angeles, Calif.
 Jersey City, N.J.
 Oneonta, N.Y.
 Yonkers, N.Y.
 Sheridan, Wyo.
 New York, N.Y.
 Washington, Pa.
 Upper Montclair, N.J.
 Basking Ridge, N.J.
 Long Island City, N.Y.
 Wellesley, Mass.
 Highland Park, N.J.
 New York, N.Y.
 Meriden, Conn.
 Bloomfield, N.J.

Claude Cyril Cornwall, Jr., A.B. 1955, Cornell University	Ithaca, N.Y.
Mary Anne DeWitt, A.B. 1951, Wellesley College	Watertown, Conn.
Richard Newman Dexter, A.B. 1955, Harvard University	Port Huron, Mich.
David William Dorman, Jr., A.B. 1955, Cornell University	Cherry Creek, N.Y.
Robert Gordon Douglas, Jr., A.B. 1955, Princeton University	Pelham Manor, N.Y.
Bruce Highstone Drukker, B.S. 1956, Calvin College	Nutley, N.J.
John Jay DuBois, A.B. 1955, Williams College	New York, N.Y.
Vincent du Vigneaud, Jr., A.B. 1955, Cornell University	New York, N.Y.
Thomas Joseph Fahey, Jr., A.B. 1955, Fordham College	Scarsdale, N.Y.
Alfred James Felice, A.B. 1955, Cornell University	New York, N.Y.
Harvey Roy Greenberg, A.B. 1955, Columbia College	Franklin Square, N.Y.
Vincent Florence Guinee, B.S. 1955, Fordham University	Brooklyn, N.Y.
Jack Walter Carl Hagstrom, A.B. 1955, Amherst College	Jackson Hts., N.Y.
Norman Eliot Hugo, A.B. 1955, Williams College	Rockford, Ill.
Richard John Kossman, B.S. 1955, Rutgers University	Marblehead, Mass.
Edward Len Krawitt, A.B. 1955, Cornell University	West Orange, N.J.
David Roger Lawrenz, A.B. 1955, Amherst College	Bayside, N.Y.
Gary Earl Leinbach, A.B. 1955, Williams College	Lakeville, Conn.
Norman Seymour Lichtenstein, B.S. 1955, Queens College	Wallingford, Conn.
Melvin George Lund, B.S. 1955, Manhattan College	Corona, N.Y.
John Ralph Macfarlane, A.B. 1955, University of Utah	Brooklyn, N.Y.
Alan Maré, A.B. 1955, Colgate University	Ogden, Utah
John Samuel Mazella, A.B. 1955, Cornell University	Brooklyn, N.Y.
James Bruce McGovern, A.B. 1955, Amherst College	E. Rutherford, N.J.
Jerry William McRoberts, A.B. 1955, Princeton University	Winchester, Mass.
Denis Ronald Miller, A.B. 1955, Cornell University	Sheboygan, Wis.
Ralph Louis Moress, A.B. 1955, Cornell University	Upper Montclair, N.J.
John Francis Morris, Jr., A.B. 1955, Cornell University	Rochester, N.Y.
Joseph George Mowrer, Jr., B.S. 1955, St. Lawrence University	Haddon Hts., N.J.
Thomas Martin Nall, A.B. 1955, Wesleyan University	Penfield, N.Y.
Jay Arthur Noble, B.S. 1955, Haverford College	Fulton, Ky.
Michael Joseph Olichney, A.B. 1955, Cornell University	Staten Island, N.Y.
Seth Anderson Onwona, A.B. 1955, Cornell University	Spencer, N.Y.
Eugene Rene Perrin, A.B. 1955, Miami University	Gold Coast, W. Africa
Shirley Ruth Petersen, A.B. 1955, Wellesley College	Columbus, Ohio
Monroe Pray, Jr., A.B. 1955, Amherst College	Manhasset, N.Y.
Harry G. Preuss, B.S. 1956, Cornell University	Highland Park, N.J.
Stephen Norman Price, A.B. 1955, Cornell University	Binghamton, N.Y.
Jocelyn Mede Proctor, A.B. 1955, Cornell University	Great Neck, N.Y.
Herbert Irwin Rappaport, B.S. 1955, City College of New York	New York, N.Y.
Paul Edward Romano, A.B. 1955, Cornell University	New York, N.Y.
Walter Rubin, B.S. 1955, Mass. Inst. of Technology	Pelham, N.Y.
Ralph Nicholas Salatino, A.B. 1955, Holy Cross College	Worcester, Mass.
Milton Huyett Sangree, Jr., A.B. 1955, Haverford College	Brooklyn, N.Y.
Robert Stanley Schaeffer, A.B. 1955, Brooklyn College	Kenmore, N.Y.
Bernard Charles Schroeder, A.B. 1955, St. Peter's College	Brooklyn, N.Y.
James Edward Shepard, A.B. 1955, Wesleyan University	Jersey City, N.J.
Martin Siegelman, A.B. 1955, Cornell University	Jacksonville, Fla.
Robert Grist Sumner, A.B. 1955, Harvard University	Jersey City, N.J.
William Patrick Tunell, B.S. 1955, Notre Dame University	Kinston, N.C.
Wayne Richard Ulinik, A.B. 1955, Princeton University	Bronxville, N.Y.
Joseph Vincent Uricchio, Jr., A.B. 1955, Amherst College	Short Hills, N.J.
James Knox Van Buren, A.B. 1955, Cornell University	W. Hartford, Conn.
James Richard Van Ostrand, A.B. 1955, University of Rochester	Atlanta, Ga.
Alden Eames Whitney, A.B. 1955, Clark University	Rochester, N.Y.
	Worcester, Mass.

William Gerard Winters, Jr., A.B. 1955, Cornell University
 Peter Wei Ting Yu, A.B. 1955, Cornell University
 Irwin David Zim, A.B. 1955, Colgate University

New Rochelle, N.Y.
 Ithaca, N.Y.
 Great Neck, N.Y.

FIRST YEAR

Mary Frances Amatruda, A.B. 1956, Cornell University	New Haven, Conn.
Alexander Constantine Angelides, A.B. 1956, Amherst College	Berlin, N.H.
Kenneth Robert Barasch, A.B. 1956, Williams College	Lawrence, N.Y.
Ira Barmak, A.B. 1956, Cornell University	Brooklyn, N.Y.
Rowland Holbrook Smith Bedell, A.B. 1956, Princeton University	Forest Hills, N.Y.
Elizabeth Louise Barrett, A.B. 1956, Mt. Holyoke College	Lee, Mass.
George Veeder Burkholder, A.B. 1956, Princeton University	Chicago, Illinois
Michael Emmett Carey, A.B. 1956, Yale University	W. Hartford, Conn.
Richard Edwin Clark, B.S.E. 1956, Princeton University	Clayton, Mo.
Donn Joseph D'Alessio, B.S. 1956, Allegheny College	Monessen, Pa.
Ramon Ricardo Garcia de Paredes, A.B. 1956, De Pauw University	
Gregory Gordon Dimijian, B.S. 1956, Davidson College	Panama City, Panama
Donald Melick Ditmars, Jr., A.B. 1956, Princeton University	Birmingham, Ala.
Wylie Jerome Dodds, B.S. 1956, Trinity College	Pennington, N.J.
Joseph Charles Dougherty, B.S. 1956, Manhattan College	Stamford, Conn.
John Francis Dwyer, A.B. 1956, Fordham University	Albany, N.Y.
Charles Jan Dyke, A.B. 1956, Yale University	New York, N.Y.
Martin Jerome Edelman, A.B. 1956, Cornell University	Urbana, Ill.
Constance Ann Engelke, Cornell University	Brooklyn, N.Y.
Frederick Seward Erdman, Jr., A.B. 1956, Cornell University	Stamford, N.Y.
Robert Barry Erichson, A.B. 1956, Columbia University	Ithaca, N.Y.
Frederick Albert Flatow, Jr., B.E. 1956, Yale University	Brooklyn, N.Y.
Donald Tell Frederickson, A.B. 1956, Syracuse University	Meriden, Conn.
Wellum Peder Frivold, A.B. 1956, Columbia University	Syracuse, N.Y.
Martin Gardy, B.S. 1956, City College of New York	Woodside, N.Y.
Lewis Glasser, A.B. 1956, Cornell University	New York, N.Y.
Elliot Goldstein, A.B. 1956, Cornell University	Staten Island, N.Y.
John Hovey Gould, B.S. 1956, Haverford College	Brooklyn, N.Y.
Lonnie Berg Hanauer, A.B. 1956, Cornell University	Newport Beach, Calif.
Kenneth Richard Haslam, A.B. 1956, University of California	S. Orange, N.J.
Richard C. Hausler, University of Michigan	Sacramento, Calif.
Lee Richard Hayne, University of Nebraska	Saginaw, Mich.
John Paul Hayslett, A.B. 1956, Holy Cross College	Newcastle, Wyo.
Robert K. Heineman, Jr., A.B. 1956, Cornell University	Byram, Conn.
Robert Hughes Horne, B.S. 1954, University of Utah	Pittsburgh, Pa.
James Walker Innes, B.A. 1956, Williams College	Salt Lake City, Utah
Charles Dean Kartchner, A.B. 1956, University of Arizona	Washington, D.C.
Dick Katzin, A.B. 1956, Cornell University	St. David, Ariz.
Caroline Joan Kegan, A.B. 1956, Wellesley College	Maplewood, N.J.
Young Shik Kim, A.B. 1956, Stanford University	Garden City, N.Y.
Stuart John Kingma, A.B. 1956, Calvin College	Seoul, Korea
Neil Charles Klein, A.B. 1956, Columbia University	Grand Rapids, Mich.
Richard Garms Kopff, Jr., A.B. 1956, Cornell University	Riverdale, N.Y.
Walter Mitchell Lewis, A.B. 1954, Cornell University	Pittsburgh, Pa.
John Trowbridge Libby, A.B. 1956, Bowdoin College	Riverside, Calif.
David Walter Lockwood, B.S. 1956, Notre Dame University	S. Portland, Me.
Richard James Lynch, B.S. 1956, Notre Dame University	Ramsey, N.J.
Donald Noyer MacKay, A.B. 1956, Dartmouth College	Rome, N.Y.
	Stonington, Me.

Anthony Joseph Marano, Jr., A.B. 1956, Williams College	White Plains, N.Y.
Guy Carlton Marshall, B.S. 1956, Holy Cross College	Mt. Vernon, N.Y.
James Harrison Marshall, A.B. 1956, Cornell University	Auburn, N.Y.
Harry Joseph Mayer, A.B. 1956, Lehigh University	Maplewood, N.J.
Barry Edwin Meyers, A.B. 1956, Cornell University	Shillington, Pa.
Marshall Sylvester Miller, B.S. Muhlenberg College	Allentown, Pa.
Charles Richard Minick, University of Wyoming	Sheridan, Wyo.
James Lee Moore, A.B. 1955, Cornell College	Ft. Morgan, Colo.
William Dufford Moyle, Jr., B.A. 1956, Wesleyan University	Scarsdale, N.Y.
Joseph Michael Murphy, A.B. 1956, Fordham University	Pelham, N.Y.
David Dighton O'Hara, A.B. 1956, Stanford University	Vancouver, Wash.
Thomas Morden Older, A.B. 1956, University of Rochester	Cuba, N.Y.
Gideon Panter, A.B. 1956, Cornell University	W. Orange, N.J.
John Laycock Penny, A.B. 1956, Hamilton College	White Plains, N.Y.
Henrik Petersen Porter, A.B. 1956, Bowdoin College	Fort Knox, Ky.
Robert Henshaw Post, A.B. 1956, Princeton University	St. Louis, Mo.
Alvin Francis Poussaint, A.B. 1956, Columbia University	New York, N.Y.
Keith Joel Quinton, A.B. 1956, Cornell University	St. Albans, N.Y.
James Philip Rhoads, A.B. 1956, Yale University	Oklahoma City, Okla.
Richard Jay Ritter, A.B. 1956, Cornell University	Brooklyn, N.Y.
David Bruce Robbins, B.S. 1956, Union College	Massapequa, N.Y.
Melvin Seymour Rosh, A.B. 1956, Hamilton College	Floral Park, N.Y.
Jean Wynne Roughgarden, B.S. 1956, Queens College	Woodhaven, N.Y.
William Eugene Sanders, Jr., A.B. 1956, Cornell University	Frederick, Md.
Peter Michael Shutkin, A.B. 1956, Brown University	Milwaukee, Wis.
John Kelly Smith, Jr., Cornell University	Westport, Conn.
Christopher Stahler, Jr., B.S. 1956, Yale University	Albany, N.Y.
Kenneth Girvan Swan, A.B. 1956, Harvard College	Scarsdale, N.Y.
Richard Rollin Temple, B.S. 1956, Swarthmore College	Poughkeepsie, N.Y.
Robert Jay Timberger, A.B. 1956, Cornell University	Rockville Centre, N.Y.
Allen John Togut, A.B. 1956, Cornell University	Larchmont, N.Y.
James Clifton Townsend, B.S. 1954, California Institute of Technology	Los Angeles, Calif.
Donald Urrea, A.B. 1956, University of Arizona	Mesa, Ariz.
William Bishop Webber, A.B. 1954, Cornell University	Bronxville, N.Y.
Richard John Winkle, B.S. 1956, St. John's College	Elmhurst, N.Y.
Emil Wirostko, B.S. 1956, Fordham University	Garfield, N.J.

SUMMARY

Fourth year	85
Third year	81
Second year	83
First year	84
Total	333

REGISTER OF THE MEDICAL COLLEGE AND SLOAN-KETTERING STAFFS

Abrahams, Irving	Microbiology & Immunology	65
Acher, Roger	Biochemistry	56
Adair, John J.	Pub. Health & Prev. Med.	77
Adams, Harold B.	Pediatrics	70
Advocate, Seymour	Medicine	60
Allen, Ronald	Obstetrics & Gynecology	66
Almy, Thomas P.	Medicine	58
Alpers, Joseph B.	Medicine	60
Alpert, Harry	Psychiatry	75
Anderson, Arthur A.	Psychiatry	75
Anderson, Arthur F.	Pediatrics	70
Anderson, David	Anatomy	55
Antoville, Abraham A.	Medicine	60
Applebaum, Jacob	Surgery	82
Arata, Dorothy	Biochemistry	56
Arditi, Lucian I.	Medicine	60
Armistead, George C.	Medicine	60
Artusio, Joseph F., Jr.	Surgery, Obstetrics & Gynecology	80, 65
Ashe, Barbara S.	Pediatrics	71
Ashman, Stuart	Psychiatry	75
Atkinson, Sam C.	Medicine	60
Avnet, Samuel	Surgery	72
Avonda, Richard P.	Radiology	79
Axelrod, D. Robert	Physiology	73
Ayerst, Robert	Obstetrics & Gynecology	66
Ayres, William H.	Surgery	82
Azar, Henry A.	Pathology	69
Backup, Clifford E.	Psychiatry	75
Bader, Genevieve	Sloan-Kettering (Prev. Med.)	96
Baez, Silvio	Medicine	58
Bailey, Charles A.	Medicine	60
Bajek, Arnold J.	Radiology	79
Baker, David H.	Radiology; Pediatrics	79
Baldwin, Horace S.	Medicine	58
Baldwin, Kenneth	Obstetrics & Gynecology	66
Balensweig, Howard	Surgery	82
Balensweig, Irvin	Surgery (Orthopedics)	81
Balis, M. Earl	Sloan-Kettering (Biochemistry)	94

Ball, Thomas L.	Obstetrics & Gynecology	66
Baras, Irving	Surgery	82
Barber, Hugh R. K.	Obstetrics & Gynecology	66
Barbu, Valer	Psychiatry	75
Barclay, Ralph K.	Sloan-Kettering (Biology)	95
Barish, Julian I.	Psychiatry	75
Barnes, Lloyd T.	Medicine	60
Barnes, William A.	Surgery	80
Barondess, Jeremiah A. ...	Medicine	60
Barr, David	Surgery	82
Barr, David P.	Medicine	58
Barton, Bennett.	Obstetrics & Gynecology	66
Basile, Naef K.	Obstetrics & Gynecology	66
Bass, Richard R.	Pediatrics	71
Bates, Barbara.	Medicine	60
Bauer, Charles H.	Pediatrics	71
Baumgartner, Leona.	Pub. Health & Prev. Med.; Pediatrics. 77, 70	
Baxter, James E.	Psychiatry	75
Baylor, Curtis H.	Medicine	58
Beal, John M.	Surgery	80
Beasley, Jean T.	Pediatrics	71
Becker, David V.	Medicine; Radiology	60, 79
Behrman, Stanley J.	Surgery	81
Belcher, Anne M.	Surgery	81
Bellville, John W.	Surgery	82
Bendich, Aaron.	Sloan-Kettering (Biochemistry)	94
Beneventi, Francis A.	Surgery	82
Bennett, Angela A.	Pediatrics	71
Benua, Richard S.	Medicine	58
Benzier, Erwin E.	Pub. Health & Prev. Med.	77
Berenberg, Samuel R.	Pub. Health & Prev. Med.; Pediatrics. 77, 70	
Berg, George S.	Pediatrics	71
Berkeley, Ruth P.	Medicine	60
Berkenfield, Jules A.	Surgery	82
Berle, Beatrice B.	Medicine; Pub. Health & Prev. Med. .60, 77	
Berlin, Louis	Medicine	58
Berman, Mones.	Sloan-Kettering	95
Berntsen, Carl A., Jr.	Medicine	60
Beyer, Harold	Sloan-Kettering (Biophysics)	95
Biesele, John J.	Sloan-Kettering (Biology)	95
Billo, Otto E.	Pediatrics	71
Bippart, Charles H.	Obstetrics & Gynecology	66
Birch, Ann McA.	Pediatrics	71
Bird, Frank L.	Surgery	82
Birnbaum, Stanley J.	Obstetrics & Gynecology	66
Bodansky, Oscar	Sloan-Kettering (Biochemistry)	94
Bogatko, Frances H.	Pub. Health & Prev. Med.	77
Bonsnes, Roy W.	Biochemistry; Obs.-Gyn.	56, 66
Booher, Robert J.	Surgery	81
Borenstein, Marvin.	Medicine	60

Borrero, Jaime	Medicine	60
Bortin, Aaron W.	Medicine	60
Boudreau, Donald D.	Psychiatry	75
Bowden, Lemuel	Surgery	82
Boyan, Paul	Surgery	82
Boynton, Perry S., Jr.	Obstetrics & Gynecology	66
Bradlow, H. Leon	Sloan-Kettering	94
Bradner, William T.	Sloan-Kettering	95
Brasfield, Richard J.	Surgery	82
Braunstein, Paul W.	Surgery	82
Braveman, Warren S.	Medicine	60
Breed, Charles N., Jr.	Surgery	82
Breimer, Charles W.	Radiology	79
Brethwaite, Samuel H.	Medicine	60
Brice, Mitchell	Surgery	82
Brodman, Keeve	Medicine	58
Brooks, Dana C.	Anatomy	55
Bross, Irwin D. J.	Pub. Health & Prev. Med.	77
Brown, George B.	Sloan-Kettering (Biochemistry)	94
Brown, John L., Jr.	Medicine	60
Brown, Veronica C.	Medicine	60
Brunschwig, Alexander	Surgery	80
Brush, A. Louise	Psychiatry	75
Buchanan, J. Robert	Medicine	60
Buchman, Myron I.	Obstetrics & Gynecology	66
Buckey, Thomas L.	Pub. Health & Prev. Med.	77
Buckstein, Jacob	Medicine	58
Budzilovich, Gleb N.	Pathology	69
Burchenal, Joseph H.	Medicine	58
Burkhardt, Edward A.	Medicine	60
Burnett, Harry W.	Radiology	79
Burstein, Charles	Surgery	81
Butler, Katharine	Medicine	59
Cahan, William G.	Surgery	81
Callahan, Justin T.	Obstetrics & Gynecology	66
Camarda, Anthony	Surgery	82
Campbell, Kenneth G.	Surgery	82
Campbell, Rolla D., Jr.	Surgery	82
Cardillo, Leo	Medicine	60
Cardullo, June M.	Pediatrics	71
Carey, Thomas I.	Surgery	82
Carlson, Arthur S.	Pathology	69
Carlson, Eric T.	Psychiatry	75
Carpenter, Frank G.	Physiology	73
Carpenter, Walter T., Jr.	Pediatrics	71
Carr, Henry A.	Medicine	59
Carter, Stefan A.	Medicine	60
Catlin, Daniel	Surgery	82
Cattell, McKeen	Pharmacology	72
Cavalieri, Liebe F.	Sloan-Kettering (Biochemistry)	94

Cecil, Russell L.	Medicine (Emeritus)	10
Cerruli, Remo	Psychiatry	75
Chall, Marion N.	Pediatrics	71
Chapman, Loring	Medicine	60
Charash, Leon I.	Pediatrics	71
Chaves, Aaron D.	Pub. Health & Prev. Med.; Medicine	77, 59
Christophersen, Erling B.	Surgery	82
Chu, Florence Chien-Hwa	Radiology	79
Chu, Foo	Medicine	60
Cipollaro, Anthony C.	Medicine (Dermatology)	58
Clark, Donald G. C.	Surgery	82
Clarke, Donald A.	Sloan-Kettering	95
Clarke, Robert L.	Surgery	82
Clarkson, Bayard D.	Medicine	60
Clerch, Antonio	Physiology	73
Cliffon, Eugene E.	Surgery	80
Coats, Edward C.	Surgery	82
Cobb, John R.	Surgery (Orthopedics)	81
Cohen, Burton D.	Medicine	60
Cohen, Ernest	Psychiatry	75
Cohen, Eugene J.	Medicine	59
Cole, John T.	Obstetrics & Gynecology	66
Coley, Bradley L.	Surgery	80
Collins, Harvey S.	Medicine	59
Condouris, George A.	Pharmacology	72
Console, Arthur D.	Surgery (Neurosurgery)	81
Constantine, Elizabeth F.	Surgery	82
Conte, Alexander	Surgery	82
Conway, Herbert	Surgery	80
Cooper, Howard N.	Psychiatry	75
Cooper, William	Surgery (Orthopedics)	81
Cooper, William	Surgery	82
Cooper, William A.	Surgery	80
Cormia, Frank E.	Medicine (Dermatology)	58
Cornell, Carlton M.	Surgery	82
Cornell, George N.	Surgery	82
Cornell, Nelson W.	Surgery	80
Cox, Denton S.	Medicine	60
Craig, Hope	Pediatrics	71
Craig, Robert L.	Obstetrics & Gynecology	66
Cramer, Jean Abel	Medicine	60
Craver, Lloyd F.	Medicine	58
Craver, William L.	Surgery	82
Crawford, David B., Jr.	Obstetrics & Gynecology	66
Crissey, Eleanor	Psychiatry	75
Crouse, Kenneth	Psychiatry	75
Cudmore, Ruth	Pediatrics	71
Cumming, John H.	Psychiatry	75
Cumming, Margaret E.	Psychiatry	75
Currimbhoy, Zinet	Pediatrics	71

Dagg, Charles P.	Sloan-Kettering	95
Daniel, William W.	Surgery	82
Daniells, Helen E.	Psychiatry	75
Dann, Margaret.	Pediatrics	70
Danzker, Milton	Sloan-Kettering	95
Dargeon, Harold W. K.	Pediatrics	70
Davidson, Murray.	Pediatrics	71
Davis, Daniel W.	Surgery	82
Davis, Jeff.	Medicine	60
Davis, Marion	Medicine	60
Davis, E. William	Obstetrics & Gynecology.	66
Day, Emerson.	Sloan-Kettering (Prev. Med.)	96
de Alvarado, Lois	Psychiatry	75
Deans, Robert D.	Surgery	82
Deddish, Michael R.	Surgery	80
de Gara, Paul F.	Pathology; Pediatrics.	69, 71
Denker, Peter G.	Medicine (Neurology)	59
Dennen, Edward H.	Obstetrics & Gynecology.	66
Denues, A. R. T.	Sloan-Kettering (Biology)	95
de Prosse, Charles A.	Obstetrics & Gynecology.	66
Despert, J. Loiuse	Psychiatry	74
Des Prez, Roger M.	Medicine	60
Deuschle, Kurt W.	Pub. Health & Prev. Med.	77
Dexter, Richard L.	Medicine	60
Diamond, Henry D.	Medicine	59
Diamond, Monroe T.	Medicine	60
Diehl, Carolyn H.	Medicine	60
Diethelm, Oskar	Psychiatry	74
DiLeo, Joseph H.	Pediatrics	71
Dillon, Thomas F.	Obstetrics & Gynecology.	66
Dineen, Joseph	Surgery	82
Dineen, Peter.	Surgery	81
DiPace, Ralph T.	Surgery	82
Dooley, Samuel W.	Pediatrics	71
Dotto, Alma	Surgery	82
Dougherty, John W.	Medicine	59
Douglas, R. Gordon	Obstetrics & Gynecology.	65
Draper, John W.	Surgery (Urology)	81
Drew, J. Edwin	Surgery	82
Dring, Thomas J.	Surgery	82
Dubilier, William, Jr.	Radiology	79
DuBois, Eugene F.	Physiology (Emeritus)	10
DuBois, Robert O.	Pediatrics	71
Dudley, Guilford S.	Surgery	80
Duley, Wade	Surgery	82
Dunbar, Howard S.	Surgery	81
Dunlap, Edward A., III ..	Surgery (Ophthalmology)	81
Dunning, Henry S.	Medicine (Neurology)	58
du Vigneaud, Vincent.	Biochemistry	56
Dworetzky, Murray.	Medicine	59

Ebersole, Carl M.	Surgery	82
Eckardt, Lisgar B.	Medicine	60
Eckardt, Robert E.	Medicine	60
Eckardt, William F., Jr.	Medicine	60
Eckel, John H.	Surgery	81
Edwards, Dayton J.	Physiology (Emeritus); Sec'y of Faculty	10, 8
Egan, George F.	Surgery	81
Eggleston, Cary	Medicine (Emeritus)	10
Eich, Stephen J.	Biochemistry	56
Eichenwald, Heinz F.	Pediatrics	71
Eisenmenger, William J.	Medicine	59
Eliasberg, Helene	Pediatrics	71
Ellis, John T.	Pathology; Surgery	69, 81
Ellison, Rose-Ruth	Medicine	60
Engle, Mary A.	Pediatrics	71
Engle, Ralph L., Jr.	Medicine	59
Epstein, Nathan	Pediatrics	71
Erdman, Albert J., Jr.	Medicine	59
Erlandson, Marion E.	Pediatrics	71
Erle, Henry R.	Medicine	60
Escher, George C.	Medicine	60
Evans, John A.	Radiology	79
Ewing, James H.	Pub. Health & Prev. Med.	77
Fadden, Francis J.	Surgery	82
Falk, Emil A.	Medicine	60
Farmer, Lawrence	Medicine	60
Farr, Hollon W.	Surgery	81
Farrar, Holden K.	Obstetrics & Gynecology	66
Farrar, John T.	Medicine	59
Farrow, Joseph H.	Surgery	81
Fawcett, Don W.	Anatomy	55
Feder, Aaron	Medicine	59
Felton, Lester	Surgery	82
Ferguson, G. Renee	Psychiatry	75
Ferraro, Thomas J.	Surgery	82
Fiedler, George A.	Surgery (Urology)	81
Fieve, Ronald	Medicine	60
Filippone, Ames	Surgery	82
Finby, Nathaniel	Radiology	79
Fink, Austin I.	Surgery	82
Finkbeiner, John A.	Medicine	59
Finn, William F.	Obstetrics & Gynecology	66
Fish, Barbara	Pediatrics	71
Fisher, Evelyn	Psychiatry	75
Fisher, Lloyd	Medicine	60
Flach, Frederic F.	Psychiatry	75
Fleetwood, M. Freile	Psychiatry	75
Fleischmann, Edgar P.	Surgery	82
Flynn, John T.	Medicine	60
Focht, Elizabeth F.	Radiology (Physics)	79

Foley, William T.	Medicine	59
Foot, N. Chandler	Surgical Pathology (Emeritus)	10
Foot, Frank W., Jr.	Sloan-Kettering (Pathology)	95
Foot, Franklin M.	Pub. Health & Prev. Med.	77
Forkner, Claude E.	Medicine	58
Fortner, Joseph	Surgery	82
Fox, Jack J.	Sloan-Kettering (Biochemistry)	94
Franklin, John E.	Pediatrics	71
Fraser, Alan W.	Psychiatry	75
Frazell, Edgar L.	Surgery	81
Free, Edward A.	Surgery	82
Freedman, Walter	Obstetrics & Gynecology	66
Freiberger, Robert H.	Radiology	79
Freund, Jules	Pathology	69
Frey, Charles	Surgery	82
Freyberg, Richard H.	Medicine	58
Friend, Charlotte	Sloan-Kettering	95
Friess, Constance	Medicine	59
Frimpter, George W.	Medicine	60
Fuentes, Claude E.	Psychiatry	75
Fukushima, David K.	Sloan-Kettering (Biochemistry)	94
Fuller, Frederick W.	Surgery	82
Gabel, Milton	Surgery	82
Galin, Miles A.	Surgery	82
Gallagher, Thomas F.	Sloan-Kettering (Biochemistry)	94
Garb, Solomon	Pharmacology	72
Gareen, Diane B.	Pediatrics	71
Garrick, Thomas J.	Surgery	82
Gause, Ralph W.	Obstetrics & Gynecology	66
Geduldig, Donald S.	Surgery	82
Geiger, J. Theodore	Surgery	82
Geller, William	Medicine	60
Genghof, Dorothy S.	Biochemistry;	
	Microbiology & Immunology	56, 65
Genna, Sebastian	Sloan-Kettering	95
Genvert, Harold	Surgery	81
Geohegan, William A.	Anatomy	55
Gepfert, Randolph	Obstetrics & Gynecology	66
Gersh, Marvin J.	Pediatrics	71
Gerson, Martin L.	Psychiatry	75
Gibbons, John Martin	Medicine	60
Gilder, Helena	Biochemistry; Surgery	56, 81
Gilroy, Francis J.	Medicine	60
Giorgi, Elsie A.	Medicine	60
Given, William P.	Obstetrics & Gynecology	66
Glassman, Oscar	Obstetrics & Gynecology	66
Glenn, Frank	Surgery	80
Glynn, Martin J.	Pediatrics	71
Goebel, David	Medicine	60
Goff, Byron H.	Obstetrics & Gynecology (Emeritus)	10

Gold, Harry	Pharmacology	72
Goldberg, Henry P.	Pediatrics	71
Goldsmith, Edward I.	Surgery	82
Goldstein, Gilbert	Sloan-Kettering	94
Goldstein, Oscar E.	Medicine	60
Goodell, Helen	Medicine	60
Goodridge, Malcolm	Medicine (Emeritus)	10
Goodyear, Stephen	Psychiatry	75
Gordon, Dan M.	Surgery (Ophthalmology)	81
Goulet, Anita H.	Surgery	82
Grace, William J.	Medicine	58
Grafe, William R.	Surgery	82
Greeley, Arthur V.	Obstetrics & Gynecology	66
Green, James L.	Surgery	82
Green, Saul	Medicine	60
Greenacre, Phyllis	Psychiatry	74
Greenberg, Sidney M.	Medicine	59
Greif, Roger L.	Physiology	73
Grimm, Elaine	Obstetrics & Gynecology	66
Groeschel, August H.	Pub. Health & Prev. Med.	77
Grossi, Margaret T.	Pediatrics	71
Grünewald, Helmut	Biochemistry	56
Guenard, Eugene J.	Surgery	82
Guida, Peter M.	Surgery	82
Guion, Connie M.	Medicine (Emeritus)	10
Gurd, Frank R.N.	Biochemistry	56
Guthrie, Keith O., Jr.	Medicine	60
Guthrie, Thomas C.	Medicine	60
Haddad, Michel N.	Pathology	69
Hadley, Susan J.	Medicine	59
Hagamen, Wilbur D.	Anatomy	55
Hagood, Robert	Psychiatry	75
Hall, Theodore	Sloan-Kettering	95
Halsey, Hugh, II	Obstetrics & Gynecology	66
Hamilton, Charles K.	Surgery	82
Hamilton, Francis J.	Psychiatry	75
Hamilton, Leonard	Medicine	60
Hamilton, Leonard D.	Sloan-Kettering	95
Hanlon, Lawrence W.	Associate Dean; Anatomy	8, 55
Hanson, Maury	Surgery	82
Haralambie, James Q.	Pediatrics	71
Harrar, James A.	Obstetrics & Gynecology (Emeritus)	10
Harrington, Helen	Pediatrics	70
Harris, George S.	Pediatrics	71
Harrison, James S.	Surgery	82
Harrold, Charles C., Jr.	Surgery	82
Harvey, J. Paul	Surgery	82
Hatterer, Lawrence J.	Psychiatry	75
Hauser, Edwin T.	Medicine	58
Hauser, Louis A.	Medicine	60

Hausman, Louis	Medicine (Neurology)	58
Havel, Joan	Pediatrics	71
Hawks, Graham G.	Obstetrics & Gynecology	66
Heimoff, Leonard L.	Medicine	60
Heinzen, Bruce	Surgery	82
Hellman, Leon D.	Medicine	59
Helper, Helen N.	Pediatrics	71
Helpern, Herman G.	Medicine	60
Helpern, Milton	Medicine; Pathology	59
Henry, George W.	Psychiatry	74
Herbert, Philip S.	Psychiatry	75
Herman, Lawrence	Pathology	69
Henske, Ulrich K.	Radiology	79
Hersh, Alexander	Surgery	82
Hertz, Ralph E. L.	Surgery	82
Higinbotham, Norman L.	Surgery	81
Hill, Malcolm R.	Surgery	82
Hill, Mary C.	Obstetrics & Gynecology	66
Hinkle, Lawrence E., Jr.	Medicine; Psychiatry	58, 74
Hinsey, Joseph C.	Director; Anatomy	6, 55
Hirsch, Robert L.	Pathology	69
Hochstein, Elliot	Medicine	58
Hoffman, Ingeborg	Pediatrics	71
Hollander, Alvin	Microbiology & Immunology	65
Holleb, Arthur I.	Surgery	82
Holman, Cranston W.	Surgery	81
Holman, James M.	Surgery	81
Holmquist, Doris G.	Anatomy	55
Holmquist, Nelson D.	Pathology	69
Holswade, George R.	Surgery	81
Hood, Henry L.	Surgery	82
Hooker, Russell H.	Surgery	82
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Wright, Harold S.	Psychiatry	75
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Ying, Sai-Hou	Sloan-Kettering (Prev. Med.)	96
Young, Alexander W., Jr.	Medicine	60
Zaccheo, Herbert A.	Obstetrics & Gynecology	66
Zimmer, Thomas	Sloan-Kettering	96
Zipser, Stanley S.	Pediatrics	71
Zucker, Marjorie B.	Sloan-Kettering	95
Zucker, Seymour	Medicine	60
Zufall, Robert B.	Surgery	82

SUMMARY OF MEDICAL COLLEGE STAFF

Full Professors	45
Associate Professors	105
Assistant Professors	210
Instructors, Assistants, etc.	542
Total	902

SUMMARY OF SLOAN-KETTERING DIVISION STAFF

Full Professors	10
Associate Professors	13
Assistant Professors	22
Instructors, Assistants, etc.	17
Total	62

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